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NBS

Technical Note No. 18-9

Boulder Laboratories

QUARTERLY RADIO NOISE DATA

DECEMBER, JANUARY, FEBRUARY 1960 - 1961

BY W.Q. CRICHLOW, R.T. DISNEY, AND M.A. JENKINS

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

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NATIONAL BUREAU OF STANDARDS

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April 18, 1961

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BY
W. Q. Crichlow, R. T. Disney, and M. A. Jenkins

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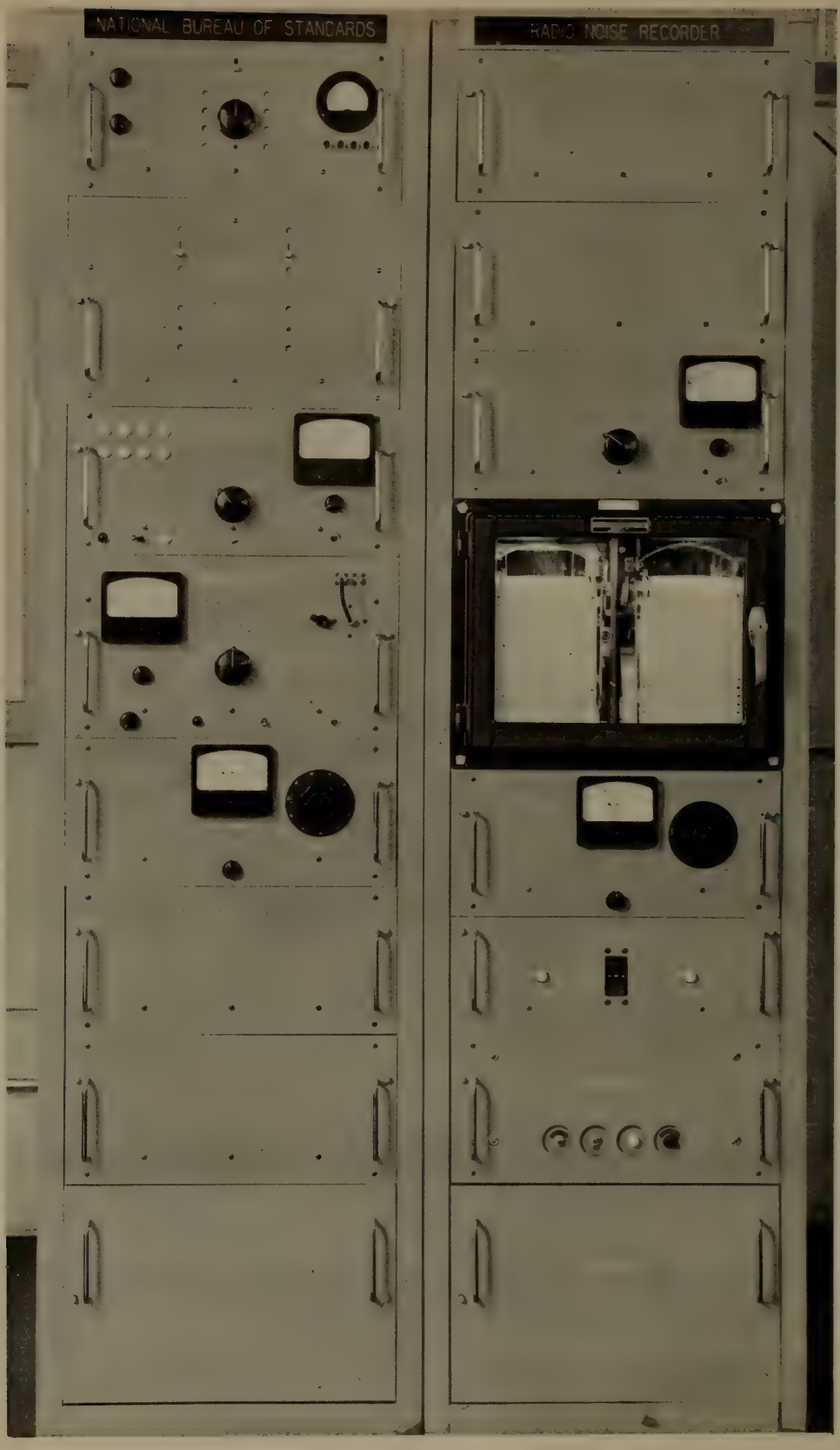
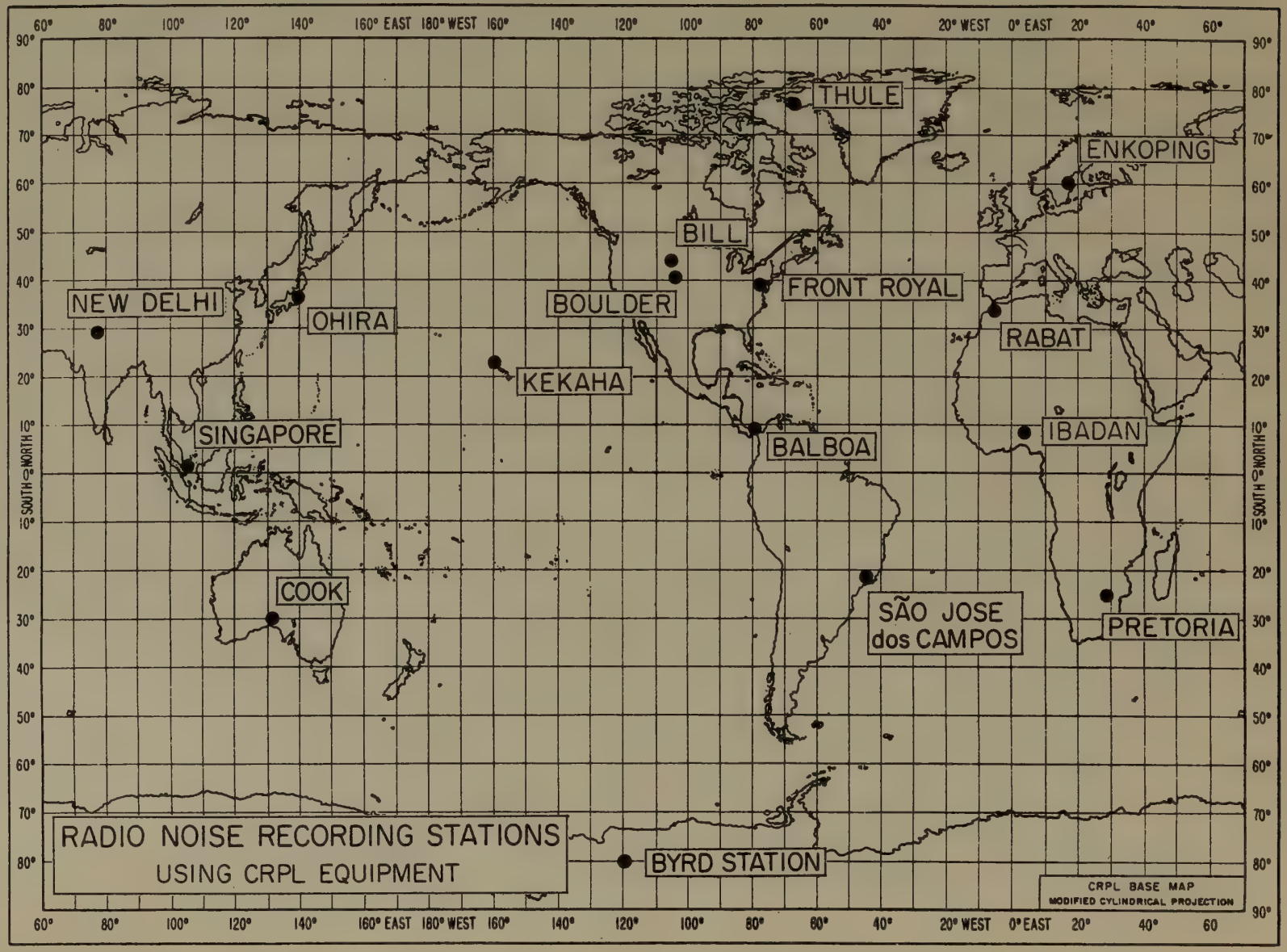
Radio Noise Recording Station



ARN-2 Atmospheric Radio Noise Recorder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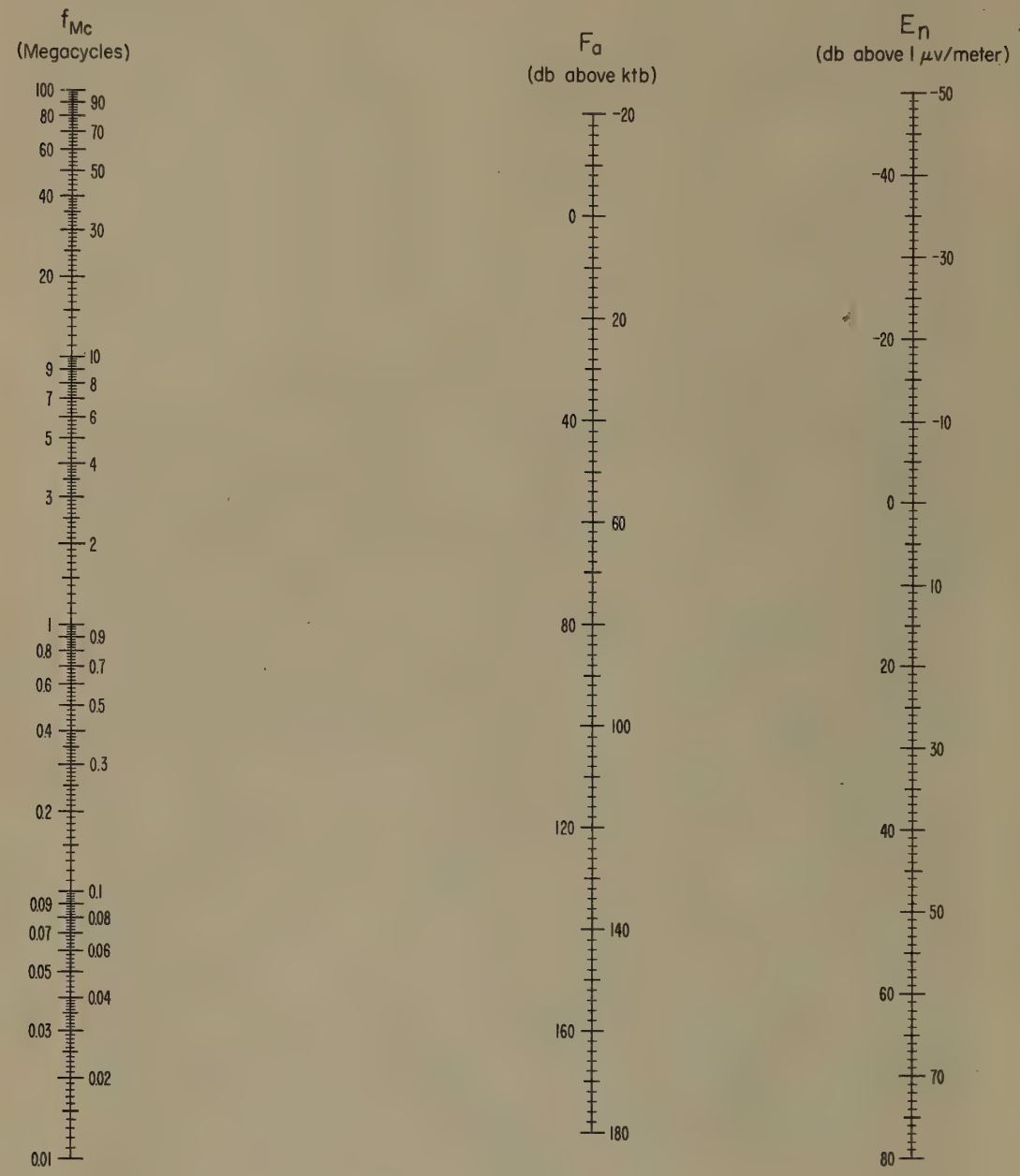
COOK
SÃO JOSE
dos CAMPOS
PRETORIA
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT
CRPL BASE MAP
MODIFIED CYLINDRICAL PROJECTION

NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY



$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

F_a = Effective Antenna Noise Figure = External Noise Power Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

E_n = Equivalent Vertically Polarized Ground Wave R.M.S. Noise Field Strength in db Above 1 μv/meter for a 1 kc Bandwidth.

f_{Mc} = Frequency in Megacycles.

Radio Noise Data for the Season

December, January, February 1960-1961

Radio noise measurements are being made at sixteen stations in a world-wide network supervised by the National Bureau of Standards (see map). The results of these measurements for the period December, January, February 1960-1961 are presented in the attached tables. These are based on three parameters of the noise: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure, F_a. F_a is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

k = Boltzman's constant (1.38×10^{-23} joules per degree Kelvin)
t = Absolute room temperature (taken as 288° K)
b = Bandwidth in cycles per second.

The mean voltage and mean logarithm are expressed as deviations, V_d and L_d, respectively, in db below the mean power.

Measurements of these parameters were made with the National Bureau of Standards Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 c/s and uses a standard 21.75' vertical antenna. A fifteen-minute recording is made on each of eight frequencies two at a time during each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour. The month-hour medians, F_{am}, V_{dm}, and L_{dm} are determined from these hourly values for each of the corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day, and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power, or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

The upper and lower decile values of F_a are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median, F_{am}, and designated by D_u and D_ℓ, respectively.

Time-block median values of noise are tabulated on a seasonal basis, and are obtained by averaging all month-hour medians for the season within a particular four-hour period of the day. The time-block values conform to the seasonal-time-block values used in C.C.I.R. Report No. 65 (see attached references).

F_a in db is related to the rms field strength at the antenna by the following equation:

$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

where

E_n = the equivalent vertically polarized ground wave rms noise field strength in db above 1 μv/meter for a 1 kc bandwidth.

f_{Mc} = the frequency in megacycles/second.

The nomogram given may be used for this conversion.

The values presented in the tables reflect the actual measured radio noise; in some instances the atmospheric noise level may be contaminated by man-made noise or station interference. The parameter that will first reflect any such contamination will be the logarithmic parameter, L_d. This contamination generally will cause the value of L_d to be less than it would have been, had the recorded value been only atmospheric noise. In determining the amplitude-probability distribution from the three measured moments [10], contaminated values of L_d may be found that will not give a solution of the amplitude-probability distribution. When this occurs, it is suggested that the measured value of L_d be ignored and the most probable value of L_d from the curve on the graph of L_d vs. V_d be used. The most probable value has been determined as the best fit for the integrated moments from over sixty measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on the graph indicates the minimum value of L_d that will give an amplitude-probability distribution by the method in reference 10, and

can therefore be used to determine whether the measured value or the most probable value of L_d for any value of V_d should be used.

Station clocks are set to a local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 5).

These preliminary data values are presented in order to expedite dissemination of the data. Additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications.

Stations in the recording network were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station; Front Royal, Virginia; Kekaha, Hawaii

Signal Corps, U. S. Army - Balboa, C. Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

DSIR (Great Britain) and University College Department of Physics (Nigeria) - Ibadan

Ministry of Communications, Wireless Planning and Co-ordination Organisation - New Delhi

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

Instituto Tecnologico de Aeronautica (Brazil) - São José dos Campos

Department of Scientific and Industrial Research (Great Britain) - Singapore, Malaya

The assistance of the station operators and other personnel of these agencies in obtaining the data contained in this report is gratefully acknowledged.

The following publications contain additional information on radio noise:

1. W. Q. Crichlow, D. F. Smith, R. N. Morton, and W. R. Corliss, "Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 Megacycles," NBS Circular 557, August 25, 1955.

2. "Report on Revision of Atmospheric Radio Noise Data," C.C.I.R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956 (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).

3. A. D. Watt and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45,1, 55 (1957).

4. W. Q. Crichlow, "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45,6, 778 (1957).

5. A. D. Watt and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45,6, 787 (1957).

6. F. F. Fulton, Jr., "The Effect of Receiver Bandwidth on Amplitude Distribution of V.L.F. Atmospheric Noise," National Bureau of Standards, VLF Symposium Paper 37, Boulder, Colorado, 1957.

7. H. E. Dinger, "Report on URSI Commission IV - Radio Noise of Terrestrial Origin," Proc. IRE, 46,7, 1366 (1958).

8. A. D. Watt, R. M. Coon, E. L. Maxwell, and R. W. Plush, "Performance of Some Radio Systems in the Presence of Thermal and Atmospheric Noise," Proc. IRE, 46,12, 1914 (1958).

9. W. L. Taylor and A. G. Jean, "Very-Low-Frequency Radiation Spectra of Lightning Discharges," NBS J. of Research-D. Radio Propagation, 63D,2, 199 (1959).

10. W. Q. Crichlow, C. J. Roubique, A. D. Spaulding, and W. M. Beery, "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," NBS J. Research-D. Radio Propagation, 64D,1, 49 (1960).

11. Tatsuzo Obayashi, "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," NBS J. of Research-D. Radio Propagation, 64D,1, 41 (1960).

Data included in this report and the standard time for each station are as follows:

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	Dec. Jan. Feb. 1960-61	75 W	+05
Boulder	Dec. Jan. Feb. 1960-61	105 W	+07
Byrd Station	Dec. Jan. Feb. 1960-61	120 W	+08
Cook	Dec. Jan. Feb. 1960-61	135 E	-09
Enkoping	Dec. Jan. Feb. 1960-61	15 E	-01
Front Royal	Jan. Feb. 1961	75 W	+05
Ibadan	June, July, August 1960	GMT	0
Kekaha	Dec. Jan. Feb. 1960-61	150 W	+10
New Delhi	Nov. Dec. Jan. 1960-61	75 E	-05
Ohira	Dec. Jan. Feb. 1960-61	135 E	-09
Pretoria	Oct. Nov. 1960	30 E	-02
	Dec. Jan. Feb. 1960-61		
Rabat	Dec. Jan. Feb. 1960-61	GMT	0
São José dos Campos	Dec. Jan. 1960-61	45 W	+03
Singapore	Dec. Jan. Feb. 1960-61	105 E	-07

Previous data from the NBS World-Wide Network have been published in the following Technical Note 18 series:

18-1 July 1, 1957 - December 31, 1958

18-2 March, April, May 1959

18-3 June, July, August 1951

18-4 September, October, November 1959

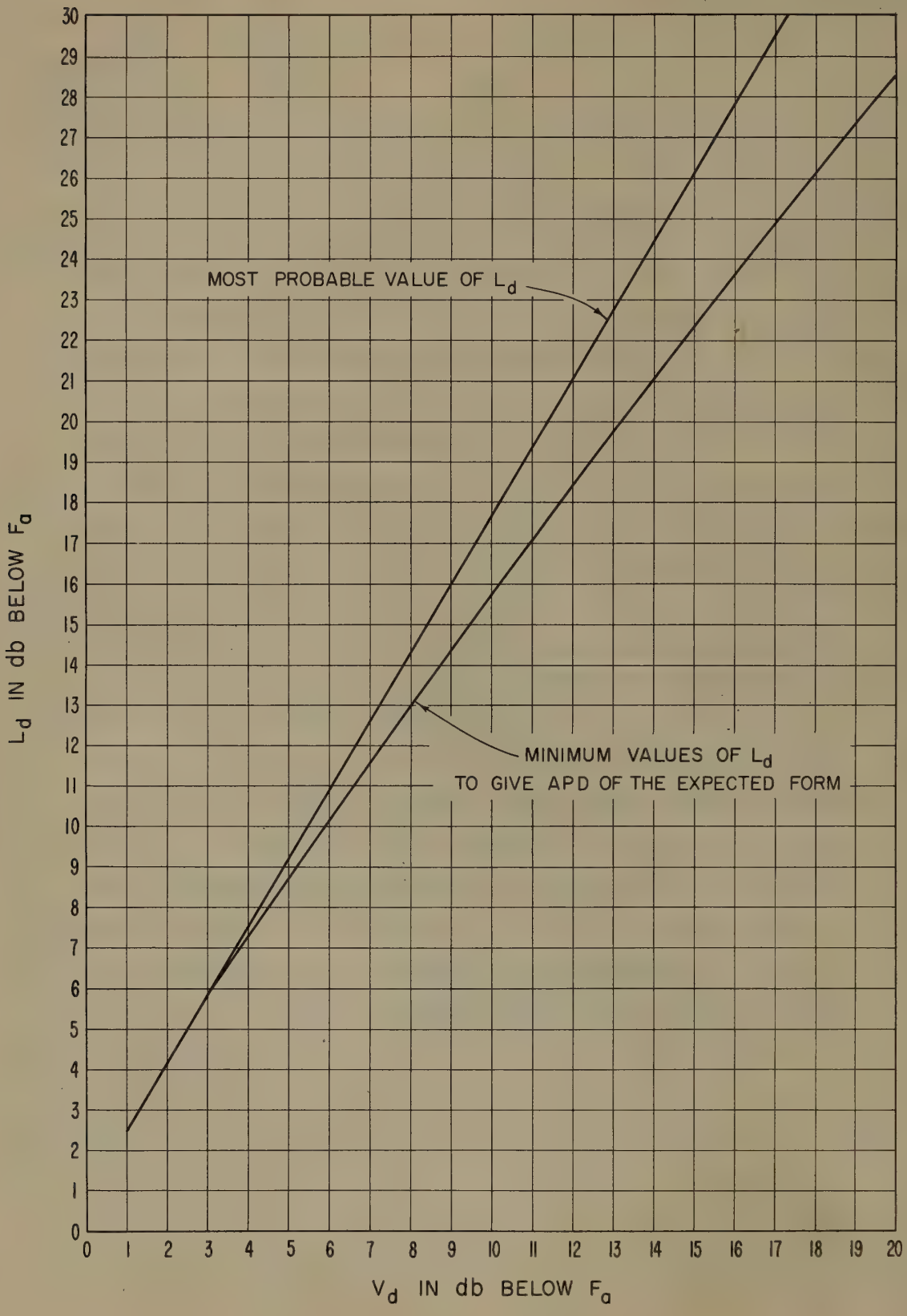
18-5 December, January, February 1959-60

18-6 March, April, May 1960

18-7 June, July, August 1960

18-8 June, July, August 1960

MOST PROBABLE AND MINIMUM VALUES OF L_d VERSUS V_d FOR ATMOSPHERIC RADIO NOISE



MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month December 19 60

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	157	6	2	13.0	19.0	130	8	3	10.0	17.0	112	7	6	12.0	20.5	94	5	4	9.0	15.0	59	7	4	6.0	11.0	54	5	4	5.0	8.0	40	4	3	4.0	6.0	24	3	2	1.5	3.0
01	159	6	4	13.0	19.0	130	10	3	10.5	17.5	114	6	8	12.0	18.0	94	4	5	8.0	16.0	59	8	5	6.0	10.0	54	5	4	5.5	9.0	40	4	4	4.0	7.0	24	2	2	2.5	4.0
02	158	5	2	12.0	18.0	131	6	4	13.5	20.5	110	12	4	11.5	20.0	94	6	6	10.5	18.5	61	4	7	6.0	11.0	54	4	4	5.0	8.5	38	4	6	3.5	6.0	24	2	2	2.0	3.5
03	159	4	2	11.5	16.5	131	6	4	13.0	20.0	110	11	6	*12.0	*19.0	93	6	7	10.5	19.0	61	8	8	7.0	11.0	52	4	3	6.0	9.5	36	5	4	3.0	5.0	24	2	2	2.0	3.5
04	159	6	3	12.0	18.0	131	7	5	12.0	19.0	110	7	6	13.5	22.0	90	9	7	*12.5	*19.0	61	4	7	7.0	12.5	52	5	4	5.0	8.0	34	5	2	2.5	5.0	24	5	2	2.0	3.0
05	159	3	2	12.0	18.0	131	5	5	13.0	19.0	108	10	8	14.0	24.0	80	12	11	*14.0	*24.5	57	7	7	8.0	14.5	52	4	3	*5.0	*9.0	36	4	2	3.0	5.5	24	4	2	2.0	3.0
06	159	4	2	12.5	18.0	127	6	2	*13.0	*19.5	97	10	6	*16.0	*24.5	70	19	8	*9.0	*14.0	53	8	11	*8.0	*13.5	54	4	7	*5.0	*9.0	40	5	4	4.0	6.5	24	6	0	2.0	3.5
07	155	6	2	11.5	16.5	121	9	4	13.5	19.0	88	17	10	*14.0	*21.0	68	22	8			43	9	7	*5.0	*8.5	44	8	8	*6.0	*11.0	38	6	2	4.5	7.5	25	1	1	2.5	4.0
08	155	4	2	11.0	16.5	119	10	12	*16.0	*23.5	88	18	14	*15.0	*24.5	68	18	8	*8.0	*13.5	35	12	4	3.0	5.0	34	8	10	*3.5	*6.0	32	6	4	3.5	8.0	26	2	4	3.0	5.0
09	155	6	2	12.5	17.0	118	13	13	*16.0	*22.5	84	23	12	*14.0	*24.0	66	20	6	*11.0	*18.0	33	18	4	*3.0	*5.5	30	7	10	*3.5	*5.0	26	8	4	*5.5	*8.0	24	4	0	3.0	5.0
10	155	5	4	12.5	17.0	119	8	11	*13.5	*20.5	88	14	16	*15.5	*25.0	64	18	8	*8.0	*15.0	33	9	4	2.5	5.0	26	7	7	*3.0	*5.5	22	9	2	*4.0	*6.0	24	4	2	*3.5	*5.0
11	157	5	4	13.0	18.0	121	10	8	*14.5	*22.0	90	14	14	*17.5	*25.0	66	8	4	*7.0	*11.0	33	11	4	3.0	5.0	22	10	4	*4.0	*5.5	22	8	4	4.0	6.0	24	4	2	2.5	4.0
12	159	4	4	11.0	16.5	125	6	8	*13.0	*19.0	94	6	18	*13.0	*21.0	66	8	4	*13.5	*24.0	33	11	6	2.5	4.0	26	8	6	*3.5	*6.5	24	6	4	6.0	10.0	24	6	2	3.0	5.0
13	159	5	3	12.0	17.0	125	10	6	13.0	19.0	92	18	10	*16.0	*24.0	68	25	8	*12.0	*18.0	33	13	4	2.5	4.5	26	17	8	*3.0	*6.0	26	8	4	5.0	8.0	26	6	2	3.5	5.5
14	161	8	4	10.5	16.0	127	9	8	11.5	18.0	97	17	9	*12.5	*19.0	70	24	8	*11.5	*20.0	33	20	6	*2.5	*4.0	28	14	4	*2.5	*4.5	32	4	6	*5.5	*8.0	26	4	2	3.5	5.5
15	161	6	4	11.0	16.0	125	12	6	11.5	18.0	98	17	8	*14.5	*21.5	76	15	10	*14.0	*21.0	33	14	4	*2.0	*3.0	36	10	8	*6.0	*9.0	34	11	5	*6.0	*9.0	28	2	3	3.5	5.0
16	161	3	4	12.0	18.0	125	10	7	14.0	20.5	100	12	10	*13.0	*19.5	74	16	8	11.5	19.0	37	10	7	*3.0	*5.0	46	5	9	*5.5	*9.0	40	3	4	6.0	9.0	28	2	2	3.0	5.0
17	159	4	4	12.0	17.5	123	13	8	14.5	21.0	100	14	8	*12.5	*19.0	82	8	6	7.5	12.5	45	12	8	4.0	6.0	52	8	8	3.5	7.0	42	5	4	5.0	8.0	28	2	3	4.0	5.0
18	157	7	4	12.0	17.5	127	11	6	12.0	19.0	108	14	6	*10.0	*17.0	90	11	6	9.0	16.0	53	14	5	6.0	9.5	59	8	2	*4.0	*6.0	42	11	3	6.0	9.0	26	4	2	3.0	4.0
19	157	6	3	14.0	20.0	129	11	5	11.5	18.0	110	8	6	9.5	18.0	90	10	4	9.5	15.0	59	9	8	6.0	9.5	56	6	4	3.5	6.0	43	4	5	4.0	7.0	26	4	4	3.0	4.5
20	157	7	3	14.0	20.0	130	8	7	12.0	19.0	110	7	6	*9.0	*16.5	92	7	3	8.5	16.0	59	9	6	6.0	10.5	58	3	5	*4.5	*7.0	42	2	4	4.0	7.0	26	4	4	3.0	5.0
21	157	6	2	13.5	19.5	129	10	5	13.0	20.0	108	12	4	12.0	19.5	94	4	4	9.5	17.0	59	5	7	6.0	11.0	56	4	3	*5.0	*8.5	42	2	4	4.0	6.5	24	7	2	2.0	4.0
22	157	7	3	14.0	19.5	129	10	4	12.0	20.0	110	9	6	11.5	18.0	94	5	6	6.5	12.5	59	8	5	6.5	10.5	56	5	5	5.0	9.0	42	2	2	4.0	6.5	24	3	2	3.0	4.0
23	157	7	2	13.5	19.5	129	10	4	12.0	18.0	112	7	6	10.0	17.0	94	5	4	7.0	12.0	59	5	5	7.0	12.0	54	7	4	5.0	8.0	42	4	4	4.0	7.0	24	4	2	2.5	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month January 19 61

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	2	6	13.5	19.5	128	5	10	10.5	16.0	106	7	6	10.0	17.0	90	4	4	7.0	10.0	58	6	8	6.0	12.0	54	5	3	4.5	7.5	40	5	4	3.0	5.0	23	2	2	2.0	3.0
01	154	2	6	13.0	19.0	127	6	7	9.5	15.0	107	8	6	11.0	17.0	89	6	4	7.5	14.0	58	6	6	8.0	12.5	55	4	4	5.0	9.0	40	4	5	*2.5	*4.0	23	5	2	2.0	3.0
02	156	1	8	12.0	18.5	127	7	8	9.0	16.0	108	8	9	9.5	17.0	89	7	5	6.0	10.5	60	4	8	7.5	12.0	55	4	4	6.0	10.0	38	4	5	*3.0	*4.0	23	4	2	1.5	3.0
03	154	5	4	13.0	18.5	127	7	5	10.0	16.0	107	8	8	8.0	13.5	89	7	6	9.5	16.0	58	7	7	7.0	12.0	53	4	3	*6.0	*10.0	34	6	4	*3.0	*5.0	23	4	2	1.5	3.0
04	156	3	4	13.0	18.0	127	8	4	12.0	19.0	107	9	10	14.0	22.0	87	9	10	12.0	19.0	60	5	8	9.0	15.0	53	5	4	6.0	10.0	34	5	4	2.5	4.0	23	6	2	1.5	3.0
05	156	3	4	13.0	19.0	128	7	5	11.5	18.0	108	5	15	10.5	19.0	85	9	21	*11.0	*19.0	60	7	12	10.0	16.0	53	5	4	6.5	11.0	34	6	4	3.0	4.0	25	5	3	1.5	2.5
06	156	3	4	11.5	18.0	127	4	5	12.0	18.0	101	6	16	11.0	19.0	71	10	10	*9.0	*13.5	56	9	15	9.0	16.0	55	7	2	5.0	8.0	40	4	6	*4.5	*9.0	23	6	0	2.0	3.0
07	152	4	2	11.5	17.0	120	9	5	10.5	16.5	90	14	24	*13.0	*21.0	69	18	6			46	8	10	*8.0	*13.0	45	7	5	*7.0	*11.0	40	4	6	*5.0	*8.5	27	4	4	3.0	4.0
08	152	4	4	11.0	16.5	115	9	10	11.5	18.0	85	20	23	*6.5	*12.5	65	19	4	*7.0	*10.5	36	10	5	3.5	6.0	40	6	7	*7.5	*13.5	34	4	6	*5.5	*9.0	26	6	5	3.0	5.0
09	152	2	5	10.0	15.5	111	12	10	11.0	17.5	82	19	19	*7.5	*12.0	65	13	4	*8.0	*12.0	32	4	4	*2.5	*4.5	33	7	10	*8.0	*11.0	27	9	3	*7.0	*11.0	26	5	3	3.5	4.5
10	152	4	4	10.0	15.0	111	12	6	12.0	18.5	85	12	20	9.0	14.0	63	6	4	*5.0	*8.0	32	6	4	*3.0	*4.5	27	6	2	*7.0	*9.0	24	7	4	*5.0	*8.0	25	6	2	3.0	4.5
11	152	4	3	9.0	14.0	115	12	6	12.0	18.0	87	12	16	13.0	21.0	63	8	2	*5.0	*9.0	32	6	6	*2.5	*4.5	25	8	4	*4.0	*5.5	24	10	4	4.0	5.5	24	5	3	*3.0	*3.5
12	156	2	4	10.5	16.0	121	6	6	13.0	19.0	92	8	11	12.0	20.0	65	10	2	*6.5	*10.5	30	7	4	3.0	5.0	25	9	4	*6.0	*8.0	24	6	4	5.5	8.0	25	2	4	*3.0	*4.0
13	156	4	2	10.0	15.5	125	4	9	11.0	17.0	95	6	10	9.0	16.5	65	8	2	*6.0	*10.0	32	2	4	*3.0	*6.0	29	8	6	5.5	8.5	28	6	4	7.0	10.0	25	6	2	3.5	5.0
14	158	2	4	10.5	16.0	125	4	4	11.0	16.5	96	5	11	11.0	18.5	68	8	5	*5.0	*8.5	30	3	4	3.0	5.0	29	8	4	6.0	9.0	32	4	6	7.0	9.5	27	2	4	3.0	6.0
15	158	2	3	10.0	15.0	125	4	10	11.0	16.0	95	6	10	10.0	18.0	71	11	7	*11.0	*16.0	32	4	1	3.0	4.5	33	6	4	*4.0	*6.0	34	4	4	*5.0	*7.0	27	4	4	3.0	5.5
16	158	2	4	11.0	16.5	123	6	8	11.0	17.0	97	6	9	9.5	17.5	73	9	8	*10.5	*15.0	34	4	4	4.0	6.0	41	4	6	*6.0	*10.0	38	4	4	*6.0	*10.0	27	4	2	3.5	5.0
17	156	2	4	11.0	17.0	123	7	8	14.0	21.0	99	5	9	11.5	18.5	77	7	8	8.0	14.5	42	6	9	*6.5	*10.0	49	5	7	*4.5	*8.0	42	3	2	*5.5	*9.5	27	5	4	2.5	4.5
18	154	3	4	13.0	19.0	125	6	10	12.5	19.0	104	7	8	10.0	16.5	86	7	7	8.5	14.0	50	5	8	5.5	10.0	55	2	4	5.0	8.5	42	4	2	*7.0	*11.0	25	6	3	2.0	3.0
19	154	3	4	12.0	18.0	127	6	8	11.0	17.0	107	5	8	9.5	16.0	88	5	5	8.5	13.5	54	6	8	7.0	12.0	57	5	4	5.0	7.0	42	3	4	*3.5	*6.5	23	8	2	2.5	4.0
20	154	4	4	13.0	19.5	127	5	8	10.0	16.0	107	4	9	10.0	16.5	89	6	6	8.5	13.5	55	5	7	6.0	11.0	59	4	5	*4.0	*7.5	40	2	4	4.0	7.0	23	8	2	2.0	3.5
21	154	3	6	13.0	18.5	127	6	7	10.0	15.0	105	5	8	9.0	15.0	89	4	5	7.0	12.0	56	4	8	6.5	11.0	59	4	6	*5.0	*8.0	39	3	4	4.0	7.5	23	7	2	2.0	3.0
22	154	2	6	13.0	19.0	129	4	10	9.0	15.5	107	4	10	9.0	15.5	89	4	5	6.0	11.0	56	5	8	6.0	10.5	55	5	2	*4.5	*7.5	40	3	4	4.0	7.0	23	5	2	2.0	3.0
23	152	4	4	13.0	19.0	127	5	9	9.5	14.0	107	4	9	9.0	15.5	89	4	4	6.5	11.0	56	6	8	5.5	9.5	55	3	4	4.0	8.0	38	4	2	4.0	6.0	23	3	2	2.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month February 19 61

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	155	6	2	12.0	18.0	129	6	4	11.0	17.0	110	6	6	9.5	16.0	91	8	6	6.5	11.0	61	8	4	7.5	13.0	58	2	4	*4.0	*8.0	39	8	2	6.0	8.5	22	2	0	2.0	3.5
01	157	2	4	11.0	16.5	131	4	6	11.0	17.0	110	8	8	9.0	15.5	93	6	8	7.5	12.5	62	7	5	7.0	12.0	58	2	4	5.5	10.0	39	6	2	*3.5	*6.0	22	2	0	2.0	3.0
02	157	2	4	10.0	16.0	133	2	8	11.0	17.0	112	6	8	10.5	17.5	93	6	12	8.0	12.0	63	6	6	6.5	12.5	56	4	2	*5.5	*10.0	38	3	5	*5.0	*8.5	22	2	0	2.0	3.0
03	158	3	3	10.0	15.0	131	4	8	11.0	16.0	111	5	7	10.0	17.0	93	6	10	8.0	13.0	65	4	6	8.0	13.0	54	4	2	*6.0	*10.5	33	10	2	3.5	5.0	22	2	0	2.0	3.0
04	159	2	4	9.5	15.5	131	4	6	9.0	15.0	110	8	8	11.5	19.5	92	7	11	9.0	16.0	64	5	9	6.5	12.0	54	4	4	5.0	8.0	33	6	2	3.0	4.5	22	2	0	1.5	3.0
05	159	2	4	11.0	16.0	131	4	10	11.0	17.0	112	6	12	9.5	17.0	89	10	10	10.5	17.5	64	5	7	*7.0	*13.0	54	4	4	*5.0	*8.0	32	5	3	3.0	4.0	22	2	0	1.5	2.5
06	159	2	4	11.5	17.0	127	6	4	11.0	16.0	102	12	18	10.5	19.0	78	15	9	6.5	9.0	61	6	8	*9.0	*14.5	58	2	4	*5.0	*8.5	37	9	4	*4.0	*6.0	22	2	0	2.0	3.0
07	157	2	4	11.5	17.0	123	6	10	13.0	19.0	99	11	23	13.0	20.5	75	16	4	*5.0	*7.5	47	12	8	*8.0	*12.5	45	7	3	7.5	11.0	40	7	5			24	2	2	*4.0	*5.0
08	156	3	5	10.0	15.5	119	6	15	15.0	20.0	96	14	21	*15.5	*23.0	73	15	3	3.0	4.5	41	10	6	*6.0	*8.5	36	6	8	*13.0	*18.0	34	5	3	*5.0	*7.5	24	2	2	*2.5	*3.5
09	155	4	4	12.0	17.0	119	4	11	13.5	20.0	92	13	18	*12.5	*21.0	71	14	4	*3.0	*5.0	35	9	4	*2.0	*4.0	30	7	4	*6.5	*10.0	29	5	6	*6.0	*10.0	24	3	2	3.0	4.0
10	153	4	2	11.0	16.0	117	8	8	13.0	19.0	92	12	12	11.5	19.0	71	12	4	*3.5	*5.5	33	6	3	*2.5	*5.0	26	6	4	*4.0	*6.5	23	6	2	*5.0	*8.0	24	2	2	3.0	5.0
11	155	4	4	10.5	16.0	119	8	6	11.0	16.0	93	12	7	*11.0	*18.0	73	8	8	*3.0	*5.0	33	2	2	2.5	5.0	22	6	4	*6.5	*10.0	23	8	4	5.5	9.0	24	2	2	3.0	4.5
12	157	4	2	11.0	15.5	125	4	8	10.0	15.0	96	8	8	9.5	17.0	73	4	8	2.5	5.0	33	2	2	*3.0	*5.5	24	4	4	4.0	6.5	23	10	4	5.5	7.0	24	4	2	*2.5	*4.0
13	159	2	2	10.0	14.0	125	6	4	10.0	15.5	98	4	8	8.0	13.5	73	6	4	3.0	4.5	33	2	4	*3.0	*5.0	24	5	4	4.5	7.0	25	6	4	*5.0	*8.0	26	2	4	3.0	4.5
14	161	2	2	9.0	13.0	127	4	4	9.0	14.0	98	7	6	8.0	14.5	75	7	2	4.0	7.0	33	2	2	2.0	4.0	28	2	4	5.0	7.5	29	6	6	6.0	9.0	26	2	2	4.0	6.0
15	161	2	2	9.5	14.5	127	4	4	10.0	14.0	100	6	6	9.5	15.5	77	12	4	4.0	6.0	33	6	4	2.5	4.5	32	2	4	*5.0	*8.5	33	4	4	*5.5	*9.0	27	1	1	4.0	6.0
16	159	4	2	10.0	15.5	127	6	4	11.0	17.5	102	8	8	9.0	16.5	81	10	6	8.0	11.0	35	4	2	4.0	6.0	37	3	5	5.0	9.0	37	4	4	5.0	8.5	28	2	2	*4.0	*6.0
17	159	4	2	11.0	17.0	127	6	6	12.0	18.0	100	10	6	10.0	17.0	81	10	6	7.0	10.5	33	8	4	5.0	8.5	46	6	6	5.5	9.0	43	2	2	*5.0	*8.0	28	2	2	4.0	6.5
18	157	4	2	11.5	18.0	127	4	4	11.0	17.5	108	4	8	9.0	16.0	93	4	4	6.0	10.5	51	6	4	5.5	9.0	56	6	6	*4.5	*8.0	45	2	4	*5.0	*10.0	26	4	4	3.0	4.5
19	157	4	4	12.5	18.0	129	6	4	10.5	17.0	110	4	6	9.0	15.0	93	6	6	7.0	12.0	57	6	2	6.0	10.0	60	2	4	4.0	7.0	43	6	4	*4.0	*6.0	24	4	2	3.0	4.0
20	157	4	4	13.5	19.5	131	2	4	10.5	16.0	110	4	4	9.0	16.0	91	6	6	7.0	12.0	59	5	2	6.5	11.0	60	4	4	*3.0	*6.5	41	4	4	*5.0	*7.5	22	2	2	2.5	3.5
21	155	4	4	13.0	19.0	129	6	4	10.0	16.0	110	4	4	10.0	17.0	93	4	8	7.5	12.5	59	4	4	7.0	12.0	60	4	4	*5.0	*7.5	39	4	4	4.5	7.0	22	2	2	2.5	3.0
22	155	6	4	13.0	18.5	130	5	7	10.0	16.0	111	3	7	9.0	16.5	91	6	2	6.0	11.0	59	4	4	6.0	9.0	58	4	4	*5.5	*8.0	39	4	2	5.0	7.5	22	2	2	2.5	3.5
23	155	3	2	12.0	18.0	129	6	6	9.0	16.0	110	4	6	9.0	15.5	91	6	4	6.5	13.0	59	6	6	7.0	12.0	56	4	4	*5.0	*9.0	41	8	4	5.0	7.0	22	2	2	2.5	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month December 1960

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	149	2	2	11.0	16.0	115	9	5	11.0	16.0	93	11	9	10.0	15.0	77	8	11	7.5	11.0	53	2	6	4.5	7.0	48	6	6	5.0	8.0	36	6	6	*2.5	*4.0	23	2	2	2.0	3.5
01	151	2	3	11.0	16.0	115	9	6	*8.0	*13.5	92	6	5	10.0	16.0	75	6	10	*8.0	*11.0	53	2	4	5.0	7.0	48	4	4	5.0	7.5	32	8	2	2.5	3.5	23	2	2	1.5	3.5
02	151	0	4	11.5	16.0	115	6	4	9.0	16.0	90	15	11	9.0	14.0	75	6	9	7.5	13.5	51	4	2	4.5	7.0	49	3	7	5.0	8.0	34	10	4	4.0	5.5	23	2	0	1.5	3.5
03	151	0	4	11.0	16.0	*113			8.5	15.0	*88			11.0	17.5	71	7	8	*7.0	*13.0	51	4	4	*4.5	*7.0	50	2	6	5.0	8.0	32	4	2	3.0	5.0	23	2	0	1.5	3.5
04	149	2	2	12.0	17.0	115	6	6	10.5	16.5	84	10	8	*9.0	*17.0	69	6	6	5.0	10.0	51	4	4	*5.0	*7.0	48	6	2	*4.0	*7.0	32	6	4	3.0	4.5	23	2	0	2.0	4.0
05	149	2	4	11.0	15.0	114	7	3	*11.0	*17.0	78	14	3	11.0	14.0	64	7	6	*6.0	*7.0	51	4	4	*6.5	*9.5	48	4	6	5.0	8.0	32	4	2	*4.0	*5.0	23	2	0	2.0	4.0
06	149	2	6	11.0	14.0	112	7	9	10.0	16.0	76	9	8	*7.5	*10.0	60	4	5	*3.5	*8.0	48	5	3	4.0	5.0	46	4	4	4.5	7.5	34	4	2	*4.5	*6.0	25	2	0	2.0	4.0
07	147	4	2	11.0	14.5	107	7	8	10.0	16.0	70	7	4	*4.0	*4.5	57	6	2			47	2	4	*3.0	*5.0	42	4	4	4.0	5.5	36	2	2	4.0	6.0	27	2	2	3.0	4.5
08	145	2	2	*12.0	*15.5	*101			8.5	14.0	71	5	6	*9.5	*14.0	61	6	6			43	4	0	*2.5	*4.0	36	2	4	3.0	5.0	34	2	4	*3.0	*4.0	27	2	2	*3.5	*5.0
09	143	4	2	*11.0	*14.0	*97			*7.5	*8.0	*70			*6.0	*8.0	60	5	5	*3.5	*5.0	43	4	2	*3.0	*7.0	36	4	4	*2.5	*4.0	31	5	3	*3.0	*5.0	27	2	2	*2.5	*4.5
10	145	2	4	11.0	15.0	*99			7.5	11.0	71	13	4	*4.0	*5.0	60	5	3	*2.5	*4.0	43	8	2	*2.0	*3.5	35	7	3	*3.0	*5.0	30	2	6	*3.0	*4.0	27	2	2	3.5	4.5
11	145	5	3	11.5	15.0	*100			*8.5	*13.0	74	10	8	*3.0	*4.0	61	6	4	*3.0	*5.0	45	2	2	*2.0	*4.0	36	5	3	3.5	5.5	28	2	4	4.0	3.5	29	2	3	3.0	5.0
12	145	4	2	10.5	15.0	103	14	4	10.0	16.5	74	13	6	*1.5	*2.5	61	3	4	*3.0	*4.0	45	4	4	2.0	4.0	36	4	3	3.0	5.0	28	4	4	2.0	4.0	29	2	4	3.0	4.5
13	145	6	3	9.5	13.5	103	16	4	*7.0	*10.5	74	10	6	*3.0	*4.0	59	6	3	*2.0	*4.5	45	2	2	2.5	4.0	36	4	4	3.5	5.5	30	4	4	3.5	5.0	29	2	2	3.0	5.0
14	143	6	2	11.5	15.0	*103			8.0	11.0	76	7	7	*6.0	*7.0	59	8	4	*3.0	*5.0	45	0	2	2.5	4.0	36	2	4	3.0	5.0	32	4	4	*3.0	*5.0	29	2	2	2.0	4.0
15	143	4	4	12.5	17.5	101	12	4	*9.0	*11.5	78	9	8	*4.0	*6.5	61	6	4	*3.0	*7.0	45	2	2	*2.5	*4.0	38	0	6	2.5	5.0	34	4	2	*3.5	*5.5	29	2	2	2.0	3.5
16	143	4	4	12.0	17.0	103	11	3	9.5	14.0	79	15	5	*6.0	*8.5	63	8	6	3.5	7.5	45	2	2	2.5	4.5	40	6	6	3.5	5.0	38	4	2	*4.0	*6.0	29	2	4	3.0	4.5
17	145	2	6	12.0	17.5	111	4	8	10.0	15.0	84	14	8	10.0	14.0	66	15	7	*5.0	*6.5	47	4	4	3.5	5.0	45	5	7	4.0	5.0	40	2	4	5.0	7.0	25	4	2	3.0	4.5
18	145	2	2	13.0	19.0	113	4	10	10.5	17.0	85	14	7	11.0	14.0	71	6	8	*11.0	*16.0	47	8	2	*3.5	*5.0	46	4	8	4.0	6.0	38	4	2	*4.0	*6.5	23	2	0	2.0	4.0
19	147	2	2	13.5	18.0	113	5	9	10.0	16.0	88	9	9	10.0	14.0	71	8	6	*5.0	*10.0	49	4	2	3.0	5.0	47	5	5	4.0	6.5	38	4	4	*4.5	*5.5	23	2	0	2.0	3.5
20	147	2	2	12.5	18.5	113	8	8	11.0	17.0	90	7	12	10.0	16.0	75	6	8	7.5	14.0	51	4	2	3.5	6.0	48	2	4	4.5	7.0	37	3	7	*3.5	*5.0	23	2	0	1.5	3.5
21	149	0	4	12.5	18.5	113	6	4	8.5	16.0	88	11	8	8.5	14.0	75	6	10	*7.0	*10.5	51	2	2	4.5	6.5	48	4	6	5.0	8.0	36	8	6	*3.0	*4.0	23	0	2	1.5	3.5
22	148	3	3	13.0	18.5	115	6	6	10.0	17.0	91	10	7	10.0	16.0	75	10	7	5.5	12.0	51	2	4	4.0	6.0	50	2	8	5.0	8.0	36	6	6	3.0	4.5	23	0	2	2.0	4.0
23	149	2	4	12.0	17.0	115	2	4	11.0	17.0	92	10	12	8.5	15.5	77	6	7	8.5	10.0	51	2	4	4.5	6.0	48	6	6	5.0	8.0	34	10	4	3.0	5.0	23	0	2	2.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month January 19 61

Frequency (Mc)

Hour (LST)	.013 F_{am}	.013 D_u	.013 D_ℓ	.013 V_{dm}	.013 L_{dm}	.051 F_{am}	.051 D_u	.051 D_ℓ	.051 V_{dm}	.051 L_{dm}	.160 F_{am}	.160 D_u	.160 D_ℓ	.160 V_{dm}	.160 L_{dm}	.495 F_{am}	.495 D_u	.495 D_ℓ	.495 V_{dm}	.495 L_{dm}
00	147	4	6	13.0	19.0	118	6	9	10.0	17.5	95	10	14	*9.0	*15.5	75	11	7	*5.0	*10.0
01	148	3	3	12.0	18.5	118	6	8	10.0	16.5	91	14	6	10.0	15.0	75	9	9	7.5	11.5
02	149	4	4	*12.5	*19.0	118	6	8	*10.0	*18.0	89	14	6	*9.5	*15.5	74	10	8	*8.5	*13.0
03	149	4	4	13.0	19.0	118	5	9	11.0	18.0	89	16	7	9.0	15.5	74	8	10	*8.5	*15.0
04	149	2	6	13.0	19.0	118	6	8	11.0	19.0	89	14	10	*10.0	*16.5	70	6	8	*5.0	*8.5
05	149	4	6	13.0	18.5	118	6	9	11.5	18.0	86	12	11	*10.5	*15.5	66	6	6	7.5	9.0
06	147	4	2	12.0	17.0	112	8	4	11.0	18.0	81	6	10	7.5	10.0	62	2	2	*4.0	*6.0
07	147	4	2	12.0	17.0	110	6	5	11.5	18.0	73	12	4	*3.5	*8.0	60	4	2	*2.0	*4.5
08	145	4	4	*11.0	*16.5	106	7	4	*11.5	16.5	70	16	1	*3.5	*5.5	60	4	3	*3.0	*5.0
09	145	2	7	*11.0	*17.5	*102			*9.0	*14.0	71	12	3	*3.5	*5.5	62	2	3	*2.0	*4.5
10	145	4	6	*11.0	*16.0	104	6	8	*11.5	*17.5	71	15	4	*4.0	*6.0	60	3	2	*4.0	*6.0
11	145	4	6	*10.5	*17.0	104	6	8	*11.0	*17.0	74	13	7	*2.0	*4.0	60	4	0	*3.0	*5.0
12	145	6	4	11.0	16.0	108	6	12	11.0	17.0	72	15	5	*2.0	*4.0	60	4	2	3.0	5.0
13	143	6	4	11.5	17.0	104	6	8	11.5	18.0	75	12	6	2.0	4.0	60	6	2	2.5	5.5
14	145	6	6	12.0	17.5	107	5	14	10.5	19.0	73	12	4	*6.0	*8.5	60	2	2	3.0	5.0
15	142	5	3	12.0	18.5	105	8	10	12.0	18.0	75	10	6	2.0	4.0	62	4	4	2.5	5.0
16	143	4	6	13.5	20.0	108	9	10	11.0	18.0	77	11	6	5.5	8.0	62	4	4	3.0	5.5
17	143	6	8	13.5	19.0	110	10	6	11.0	16.0	84	15	11	7.0	11.0	65	9	5	3.5	6.0
18	145	5	6	13.0	19.0	112	10	6	10.0	18.5	85	14	1	8.5	13.5	68	14	8	4.5	7.0
19	145	6	6	13.5	20.0	114	10	8	*10.0	*16.0	89	13	12	10.0	16.5	70	12	6	3.0	7.0
20	145	6	6	12.5	19.0	114	8	6	8.0	13.5	89	12	8	7.0	13.0	74	8	10	6.0	9.0
21	145	4	4	14.0	20.5	114	8	7	8.0	15.0	89	16	8	9.0	14.0	72	12	4	6.0	9.0
22	145	6	2	13.5	19.5	114	10	6	10.0	15.0	89	14	9	9.0	14.0	74	10	6	5.0	9.0
23	147	4	4	13.5	21.0	116	7	8	11.0	16.0	89	14	6	7.5	14.5	75	9	5	5.0	8.0

Hour (LST)	2.5 F_{am}	2.5 D_u	2.5 D_ℓ	2.5 V_{dm}	2.5 L_{dm}	5 F_{am}	5 D_u	5 D_ℓ	5 V_{dm}	5 L_{dm}	10 F_{am}	10 D_u	10 D_ℓ	10 V_{dm}	10 L_{dm}	20 F_{am}	20 D_u	20 D_ℓ	20 V_{dm}	20 L_{dm}
00	50	8	4	3.5	5.5	52	4	4	*5.0	*7.0	31	12	2	2.5	4.5	23	2	0	2.0	3.0
01	52	7	6	6.0	8.0	52	6	6	*5.0	*7.5	33	9	4	4.0	5.5	24	1	1	2.5	4.0
02	52	6	6	5.0	8.0	54	4	8	*3.0	*5.0	35	5	6	5.0	6.5	25	0	2	2.5	4.0
03	51	8	3	4.0	6.0	54	6	6	*4.5	*7.0	35	8	4	*4.0	*6.0	25	0	2	2.5	4.0
04	52	7	6	6.0	8.5	54	4	4	*6.0	*9.0	35	8	4	4.0	5.5	25	0	2	2.0	3.5
05	52	8	6	5.5	8.0	54	4	6	*5.0	*9.0	36	5	7	*5.0	*7.0	25	2	0	2.0	3.5
06	50	4	4	5.0	6.5	50	4	4	6.0	9.0	37	2	2	*3.0	*4.0	25	2	0	1.5	3.0
07	46	6	2	3.5	4.5	48	4	6	*2.5	*5.0	36	5	3	*4.5	*7.0	27	4	1	*3.0	*5.0
08	44	2	4	2.5	4.0	38	2	4	3.0	5.0	35	4	6	*2.5	*4.0	27	4	2	2.5	4.0
09	42	2	4	*3.5	*5.0	36	2	4	*2.5	*4.0	31	4	6	*2.5	*4.0	29	2	2	*2.0	*4.0
10	42	2	3	*2.5	*4.0	36	4	4	*4.0	*5.5	29	4	6	2.0	3.5	27	3	1	3.5	5.5
11	42	2	2	2.0	3.5	36	2	4	2.5	4.0	27	4	6	3.0	5.0	27	2	2	*2.0	*4.0
12	42	2	2	2.5	4.5	36	2	4	2.5	4.5	29	4	6	3.0	5.0	27	4	2	3.0	4.5
13	42	2	2	3.0	4.5	36	2	4	2.5	4.5	31	4	8	2.5	5.0	29	3	4	3.5	5.0
14	42	3	2	3.0	4.5	36	4	2	2.0	4.0	33	4	8	*4.0	*6.0	29	2	2	2.5	4.0
15	42	3	2	3.0	4.5	38	2	4	2.5	5.0	37	4	5			29	3	4	*3.0	*4.5
16	44	3	2	3.0	4.5	42	4	4	*4.0	*7.0	41	2	2	*8.0	*11.0	27	3	2	3.0	5.0
17	46	6	4	4.5	6.0	52	4	10	5.0	7.0	43	4	4	*5.5	*8.5	25	2	2	3.0	4.5
18	50	5	6	5.0	8.0	54	2	10	6.0	9.5	41	5	4	*5.0	*7.0	25	0	2	2.0	4.0
19	52	4	7	5.0	7.0	54	4	9	*5.0	*7.5	37	9	2	*4.0	*5.5	23	2	0	2.5	4.0
20	52	4	6	5.5	6.5	52	6	6	*5.5	*8.5	33	8	4	3.0	4.5	23	2	0	3.0	4.0
21	52	4	6	4.0	5.5	52	6	6	*5.5	*9.0	31	10	3	3.0	4.5	23	2	0	2.0	3.5
22	52	5	4	5.0	6.0	52	6	6	6.0	8.5	31	8	2	3.0	4.5	23	2	0	2.0	3.5
23	52	6	6	5.5	7.0	54	4	8	7.0	9.0	33	7	4	3.0	4.0	23	2	0	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month February 19 61

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm
00	151	2	6	10.0	16.0*	121			11.0	17.0	*98			10.0	18.5	79	10	6	9.0	13.0	56	9	4	3.5	5.0	*56			2.0	5.0	34	5	2	2.5	4.0	26	3	2	2.0	4.0
01	151	4	6	10.0	15.5	119			9.5	15.5	*99			9.0	16.0	77	14	4	7.0	12.0	55	12	2	2.5	4.0	*58					33	6	1	2.0	4.0	26	1	3	1.0	2.5
02	151	2	6	11.0	17.0	123			9.5	16.5	95	10	8	10.5	18.0	77	12	4	7.0	12.5	55	10	2	3.0	4.0	57	4	4	5.0	8.5	34	6	2	3.5	5.0	27	1	3	3.0	5.5
03	151	2	4	11.0	17.5	121			9.0	15.5	92	13	5	10.0	17.0	74	15	5	7.0	13.0	55	10	2	3.0	5.0	57	2	8	5.5	9.0	34	9	3	1.5	3.0	27	1	3	3.0	4.5
04	150	3	3	11.0	17.0	121			11.0	17.5	91	16	6	11.0	18.0	72	15	3	7.0	12.0	54	12	3	4.0	5.5	55	6	4	5.0	8.0	34	5	2	3.0	4.5	27	3	2	1.0	2.5
05	151	4	4	11.0	17.0	121			9.5	17.5	83	12	8	11.0	20.0	67	20	4	*7.0	*7.5	54	7	5	2.5	4.0	54	7	5	3.5	7.0	36	8	6	2.5	3.5	27	1	2	2.0	3.5
06	149	4	2	11.0	18.0	119			10.0	16.5	79	16	8	9.0	16.0	61	9	2	*3.0	*5.0	51	5	2			51	6	4	4.0	7.0	38	5	3	6.0	10.0	27	2	3		
07	149	2	4	12.0	18.5	113			11.0	18.0	73	16	8	6.0	8.0	61	6	2	*3.0	*5.0	47	4	2	4.0	5.5	45	7	2	3.5	6.0	40	3	4	6.0	8.5	27	3	1	3.0	5.0
08	145	4	4	12.0	18.0	107			11.0	18.0	*69			4.5	7.5	*61			*2.0	*4.5	45	4	2	4.0	5.0	39	2	5	3.0	5.0	36	4	4	6.5	11.0	29	2	2	5.0	7.0
09	*145			12.0	17.0	99			*10.0	*16.0	*71			*4.0	*8.0	*63			3.0	5.0	*45					*37			3.0	4.0	*36					*29				
10	*145			10.5	17.0	100			*9.0	*13.0	*74			5.5	8.5	*61			*3.0	*5.0	*43			3.0	4.5	*37			2.0	4.0	*34			3.5	5.0	*29			1.0	2.5
11	*145			9.5	14.0	100			9.0	14.0	*73			5.0	9.0	*65			2.5	5.0	*43					*35			1.0	3.0	*32			3.0	4.5	*29			2.5	3.0
12	*148			10.5	16.0	102			10.0	15.0	*77			6.0	8.0	*63			*2.0	*4.0	45	4	2	1.0	2.5	*35			2.0	3.5	30	6	0			29	6	2	2.0	3.5
13	*146			10.0	16.0	103			12.0	18.0	*79			7.5	10.5	*63			2.5	4.0	45	4	4	2.0	3.5	36	3	5	3.5	4.5	34	2	2	6.0	8.0	*29			3.0	4.0
14	*145			11.0	17.0	104			11.0	17.0	*80			8.5	14.0	63	6	2	3.5	5.5	45	6	2	3.0	4.0	37	4	6	3.0	5.0	38	2	6			30	4	2	3.0	5.0
15	145	2	4	12.5	19.0	105			11.5	18.0	79	4	2	7.0	11.0	65	2	4	3.0	5.0	45	7	2	3.0	4.0	39	6	4	5.0	6.5	40	4	3	6.0	10.0	31	3	4	2.5	3.5
16	145	2	6	13.5	20.0	107			12.0	19.0	77	18	8	9.5	17.5	65	2	4	4.0	7.0	47	4	4	3.5	4.0	43	2	4	3.0	4.5	42	7	2			29	5	4	2.5	4.0
17	145	4	6	12.0	18.5	111			12.0	19.0	83	16	6	9.0	15.5	65	12	2	5.0	9.0	49	5	4	3.5	4.5	53	4	5	3.0	6.0	46	5	4			27	4	3	2.0	4.0
18	145	6	6	12.0	18.5	115			10.0	17.5	85	12	10	9.5	18.0	69	11	4	8.0	11.5	53	11	4	3.0	4.5	55	4	4	1.5	4.0	44	3	4			25	2	2	4.0	6.5
19	146	3	5	12.0	19.0	113			10.0	17.5	88	13	12	9.0	18.0	71	14	4	8.0	13.0	53	10	4	3.0	4.0	56	1	3	1.5	4.0	44	3	8			25	2	2	4.0	6.0
20	147	2	6	13.0	20.0	115			11.5	17.0	*86			10.0	17.0	73	8	4	9.5	15.5	55	8	2	3.0	4.5	55	2	4	3.0	6.5	36	10	4	5.0	7.0	25	2	2	2.0	4.0
21	147	4	4	12.0	19.0	115			11.0	18.0	*88			10.0	18.0	75	12	4	9.0	16.0	55	8	4	3.0	5.0	55	4	2	4.5	8.0	36	8	6	1.0	2.0	25	3	3	3.0	5.5
22	147	6	2	12.0	18.0	119			10.5	17.5	91	16	6	11.5	20.0	77	6	6	9.0	15.0	55	6	4	3.5	5.0	57	2	4	3.0	6.0	32	9	2	3.0	5.0	25	4	2	4.5	6.5
23	149	2	4	11.0	17.0	119			11.0	18.5	95	8	10	9.5	18.5	77	10	6	9.0	16.5	57	8	5	3.0	5.0	55	4	2	4.0	7.0	34	8	3	2.0	4.0	25	3	2	2.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month December 19 60

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	96	2	2			76	2	4			65	2	6			55	8	4			22	2	2			18	5	2			20	2	4			17	0	0		
01	96	2	4			74	4	2			67	2	4			53	4	2			22	2	2			16	7	2			18	4	4			17	0	2		
02	96	4	2			74	4	2			67	4	4			53	4	4			22	4	2			16	7	4			18	2	7			17	0	2		
03	96	4	2			74	4	3			65	2	6			*53					22	4	2			15	7	3			14	7	6			17	0	2		
04	96	4	2			*74					*67					*53					24	0	2			14	8	2			14	4	4			17	0	2		
05	96	4	2			75	3	3			*65					55	2	4			22	4	0			14	7	2			14	5	7			17	0	4		
06	96	2	4			75	2	3			69	6	5			53	7	3			22	4	2			16	2	4			14	5	5			17	0	2		
07	96	2	2			74	4	2			67	2	6			55	2	4			22	2	2			14	8	2			14	6	6			17	0	2		
08	96	2	4			74	2	2			67	4	8			55	4	4			22	2	2			14	7	2			14	4	4			17	0	2		
09	96	2	4			74	4	2			67	4	6			55	4	4			22	4	2			14	4	2			14	4	3			17	0	2		
10	96	2	4			74	4	2			67	4	6			55	4	4			22	2	2			15	5	3			16	2	5			17	0	2		
11	94	4	2			74	3	2			65	2	8			54	5	4			22	4	2			14	6	2			16	2	4			17	0	2		
12	94	4	2			74	4	2			67	4	8			55	6	4			22	2	2			14	5	2			16	3	4			17	0	0		
13	94	2	2			74	3	3			67	4	6			55	6	4			22	2	2			14	6	2			16	4	4			17	2	0		
14	94	2	3			74	6	2			65	2	5			53	8	2			22	2	2			14	8	2			16	4	6			17	2	0		
15	94	4	3			*74					*66					*56					22	2	0			14	7	2			17	9	5			17	2	0		
16	94	4	2			*74					*69					*51					*24					14	6	2			18	2	4			17	2	0		
17	94	2	2			74	4	2			67	4	6			55	2	4			24	2	2			16	4	4			18	3	3			17	2	0		
18	94	5	2			74	3	2			66	3	6			53	6	4			22	2	2			14	8	2			20	2	4			18	1	1		
19	96	4	4			74	4	2			67	4	4			57	5	7			23	3	1			16	6	2			20	4	4			17	2	6		
20	96	6	4			74	4	2			67	4	4			55	4	4			22	2	2			18	4	4			20	4	8			17	2	1		
21	96	4	2			76	0	4			66	3	5			53	9	2			22	2	0			18	4	4			20	4	6			17	2	0		
22	96	4	4			74	4	2			69	4	2			55	6	4			23	3	1			18	6	4			20	2	4			17	2	0		
23	96	2	2			75	3	3			67	4	4			55	8	4			22	2	2			18	6	4			20	4	4			17	1	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month January 19 61

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	101	5	6			78	8	4			66	2	4			54	4	4			22	2	2			18	9	4			21	5	10			18	1	2		
01	101	6	4			78	6	4			68	2	4			54	4	4			22	2	2			17	7	5			21	4	6			17	2	0		
02	99	8	6			77	7	3			66	4	0			52	8	2			22	0	2			18	7	4			21	4	5			19	1	2		
03	99	6	4			*76					*69					*54					22	2	2			16	7	3			19	4	9			17	2	0		
04	97	8	4			*76					*66					*54					22	2	0			16	8	4			19	5	9			17	2	0		
05	97	8	2			77	7	3			66	4	0			54	4	4			22	2	2			16	7	4			17	4	7			17	2	2		
06	99	8	6			78	7	4			66	4	4			54	4	6			22	2	2			14	6	2			17	4	7			17	2	1		
07	101	4	6			78	8	4			66	4	2			54	6	4			22	2	2			14	4	2			17	4	4			17	2	0		
08	101	6	6			80	5	6			66	4	2			52	6	2			22	2	2			14	4	2			17	2	3			17	2	0		
09	100	5	5			78	9	4			66	4	4			52	4	4			22	2	2			14	2	2			17	3	5			17	2	0		
10	101	6	6			78	9	4			66	4	2			54	6	4			22	2	2			14	2	2			17	2	3			17	2	0		
11	99	8	4			78	6	4			66	2	4			54	4	4			22	2	2			14	4	2			17	2	4			19	0	2		
12	99	6	6			80	6	6			67	3	5			54	4	4			22	2	2			14	2	2			16	4	3			19	0	2		
13	99	8	4			77	11	3			66	4	2			54	4	4			22	2	2			14	6	2			17	2	4			19	0	2		
14	99	6	6			80	2	6			66	4	2			52	4	3			22	2	2			14	3	2			17	4	4			19	2	2		
15	101	6	8			76	10	2			*66					*56					22	2	2			14	2	2			19	2	4			19	0	2		
16	101	4	8			*76															24	2	2			14	4	2			21	4	6			19	2	1		
17	101	4	9			*82					68	2	4			52	6	2			22	2	0			14	5	2			21	4	8			19	0	2		
18	101	8	6			80	6	6			66	4	4			54	4	4			22	0	2			16	7	4			23	4	4			19	1	2		
19	101	8	6			80	5	6			66	4	2			54	4	4			22	2	2			20	6	6			23	5	11			19	2	2		
20	101	8	6			80	5	6			66	2	2			54	4	4			22	2	2			18	8	5			23	6	8			19	1	2		
21	103	4	6			76	10	2			66	2	2			54	2	4			22	2	2			22	8	8			23	6	6			19	0	2		
22	103	6	6			78	6	4			66	4	4			52	6	4			22	0	2			20	9	5			25	4	9			19	0	2		
23	103	4	8			78	4	4			66	2	4			56	2	6			22	2	2			22	7	6			22	6	4			19	0	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month February 19 61

Frequency (Mc)

Hour (LST)	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.113 Fam	.113 Du	.113 Dℓ	.113 Vdm	.113 Ldm	.246 Fam	.246 Du	.246 Dℓ	.246 Vdm	.246 Ldm	.545 Fam	.545 Du	.545 Dℓ	.545 Vdm	.545 Ldm
00	107	5	2			84	4	6			64	5	0			57	5	4		
01	107	3	5			82	6	3			64	2	0			57	3	3		
02	107	6	4			86	4	6			64	4	0			56	7	2		
03	105	5	1			*86														
04	105	4	2								*64									
05	105	4	2			84	2	4			64	7	0			56	4	3		
06	104	4	1			84	4	4			64	7	0			56	3	2		
07	105	3	3			84	4	5			64	6	2			56	3	8		
08	105	3	3			84	4	4			64	7	0			56	7	4		
09	105	2	4			82	4	2			64	5	0			56	4	2		
10	105	3	4			82	4	4			64	5	2			56	4	4		
11	105	3	3			84	6	4			64	3	0			56	7	4		
12	105	3	3			82	4	2			66	2	0			56	5	2		
13	105	5	4			82	3	2			64	6	0			56	6	4		
14	105	2	4			89	5	2			64	6	0			56	8	4		
15	103	5	2			*81					*65					*59				
16	*103					*81					*69									
17	105	4	4			*84					*64					*56				
18	105	5	2			83	1	3			64	6	0			56	6	2		
19	106	4	5			84	4	4			64	4	0			56	4	2		
20	107	4	4			82	6	2			64	6	1			56	2	4		
21	105	8	2			82	4	2			64	4	0			54	4	2		
22	107	4	4			84	5	5			65	3					4	2		
23	107	6	4			84	6	4			64	4					10	0		

Hour (LST)	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	22	2	0			27	9	6			23	5	6			18	1	1		
01	24	1	2			27	6	8			22	5	8			17	2	0		
02	24	2	2			25	12	9			22	4	9			17	2	1		
03	22	2	0			20	15	5			19	4	5			17	2	0		
04	*26					21	12	11			19	9	11			17	2	2		
05	24	2	2			21	7	9			19	7	9			17	2	2		
06	22	2	1			19	4	6			17	6	9			17	2	2		
07	24	1	3			19	4	6			19	4	8			17	2	0		
08	24	1	2			17	4	4			17	5	10			17	2	1		
09	22	2	1			17	4	4			18	3	8			17	2	0		
10	24	0	3			15	4	2			17	3	3			18	1	1		
11	24	0	2			15	4	2			19	3	3			19	1	2		
12	24	2	1			15	3	2			17	5	2			19	0	2		
13	22	3	3			15	4	2			17	2	2			19	0	2		
14	22	2	2			17	6	3			21	0	4			19	2	2		
15	22	2	2			19	3	6			21	2	3			19	2	0		
16	26		0			19	4	4			23	4	2			19	1	0		
17	24	2	9			22	3	6			26	3	5			19	0	0		
18	24	2	0			24	7	7			25	6	3			18	1	0		
19	24	0				27	10	8			26	7	2			19	2	0		
20	22	2	2			28	9	10			27	6	4			19	1	2		
21	22	2	2			33	6	11			28	6	8			19	0	2		
22	22	2	2			33	3	16			27	6	9			19	0	1		
23	22	2	0			31	8	12			25	4	7			19	0	2		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month December 19 60

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	158	6	2	8.5	14.0	133	5	3	7.5	13.0	112	6	6	4.5	7.5	88	7	5	5.5	11.0	66	8	7	7.0	14.5	57	7	5	*5.0	*10.0	46	5	9	*3.0	*6.0	25	4	2	*2.5	*4.0
01	158	6	1			134	4	4	7.0	13.5	112	8	6	6.5	12.5	88	5	5	8.0	17.0	64	9	5	*8.0	*15.0	56	6	4	5.0	9.5	46	4	6	*3.0	*6.0	24	4	2	*2.0	*3.5
02	160	3	4	8.0	13.0	134	2	4	9.0	15.5	112	4	7	9.0	17.5	86	7	6	7.5	16.0	62	8	4	*7.0	*12.5	56	6	4	5.5	9.0	46	9	7	*2.5	*5.0	22	4	0	*2.0	*3.0
03	158	4	2	9.0	14.5	132	6	2	9.0	15.5	110	8	8	9.5	17.0	84	8	8	7.0	14.0	62	6	7	*6.0	*12.5	56	6	6	3.5	6.0	46	2	7	*6.0	*10.0	22	2	0	*2.0	*3.5
04	158	4	2	9.0	12.5	132	6	6	9.5	17.0	108	8	10	11.0	20.0	80	6	15			60	9	8	8.5	16.0	54	6	4	*5.0	*9.0	44	3	4	*4.5	*7.5	22	2	0	*2.5	*4.0
05	156	4	2	10.0	17.0	126	6	6	12.5	20.0	96	14	12	16.5	24.0	56	17	13	7.0	17.0	54	10	7	*7.5	*14.0	52	4	4	*6.0	*9.0	42	3	3	*2.0	*4.5	24	0	2	*2.5	*4.0
06	154	4	2	10.0	15.5	124	6	8	11.0	18.0	87	23	13	11.0	21.5	52	19	12	17.0	24.5	38	14	9	*9.0	*15.5	40	9	9	*7.5	*12.0	38	6	6	4.5	7.0	24	2	2	*1.5	*3.5
07	154	4	2	13.0	19.0	120	10	7	11.5	20.0	92	16	20	12.0	21.0	52	14	12	10.0	15.0	38	14	12	*2.5	*4.5	34	12	10	7.0	11.5	34	8	6	3.5	6.0	24	2	2	*3.0	*4.5
08	154	4	4	12.0	19.0	118	10	6	7.0	10.5	93	15	18			52	14	12	5.0	7.0	22	14	4	*7.0	*10.5	27	14	5	*4.5	*6.0	32	6	9	*3.5	*5.5	24	2	2	*1.0	*2.0
09	154	6	3	13.0	20.0	120	10	6	13.0	21.5	94	14	18	11.5	21.0	54	13	10			22	10	4			29	10	8	*7.5	*13.0	31	7	7	*3.0	*5.0	23	3	1	*2.0	*4.0
10	155	5	5	13.5	21.0	122	8	10	12.0	20.5	88	9	16	8.5	16.5	57	11	9	3.0	5.0	26	8	8	*2.0	*3.5	30	10	6	*2.5	*4.5	32	5	15	*3.0	*5.5	22	3	3	*2.0	*3.5
11	156	4	6	5.5	14.0	124	8	8	8.5	9.5	95	14	16	10.0	18.5	56	18	8	6.0	10.0	24	12	6			28	11	7			34	4	11	*5.0	*8.0	22	4	0	*2.5	*4.0
12	156	6	6	14.5	22.0	126	10	6	11.0	19.0	96	18	16	11.5	18.5	56	22	6	3.0	5.5	26	12	8	*2.0	*4.0	30	8	10	*2.0	*4.0	35	4	9	*3.0	*5.0	24	4	2	*2.5	*4.5
13	158	4	4	10.5	17.5	130	10	8	6.0	12.0	102	20	12	7.0	13.5	60	28	8	4.0	7.0	27	13	9	*4.0	*7.0	32	12	11	*3.5	*5.5	38	2	16	*4.0	*7.0	26	2	4	*2.0	*4.0
14	160	6	6	8.5	15.0	132	10	6	9.5	16.5	109	13	17	7.5	14.0	74	17	22			28	42	8			35	8	15	*5.0	*8.5	38	8	14	*4.0	*7.5	26	8	4	*1.0	*3.5
15	162	5	8	7.0	11.5	134	9	10			113	11	26	5.0	9.5	70	20	18	5.0	8.5	32	30	10	*9.0	*13.0	38	20	18	*3.0	*6.5	42	2	8	*4.0	*8.0	26	4	2	*3.0	*5.0
16	164	4	4	6.5	11.5	134	8	11	5.0	10.0	112	10	24	4.0	8.5	70	24	16	5.0	9.0	36	20	16	*11.0	*16.0	40	10	3	*4.0	*8.0	42	6	9	*3.0	*5.5	28	5	3		
17	162	4	6	6.5	12.5	132	13	9	5.0	9.0	112	12	20	6.5	12.0	74	20	22	7.0	12.0	37	15	11	*3.5	*7.0	48	8	14	*4.5	*9.5	46	6	8	3.5	6.5	26	6	2	*3.0	*5.0
18	162	4	6	6.5	11.5	132	14	8	6.5	12.0	110	11	17	2.5	5.0	74	13	18	3.0	5.5	52	10	14	*4.0	*9.0	53	9	11	*4.0	*8.0	48	6	8	*2.5	*5.0	28	6	4	*3.0	*4.5
19	160	6	4	7.0	14.0	136	8	10	5.0	9.5	114	7	9	3.0	6.5	86	10	15	3.5	7.0	62	6	16	*4.0	*9.0	60	8	7	*3.5	*8.0	50	5	8	*3.0	*5.0	27	5	3	*2.0	*4.5
20	162	5	6	8.0	13.5	138	8	6	5.5	10.0	118	4	8	3.5	8.0	91	7	7	3.0	7.5	68	8	10	*5.0	*10.0	62	6	8	*4.0	*7.5	48	6	8	*3.0	*6.0	26	6	2	*3.5	*5.5
21	160	8	4	7.5	13.5	138	6	6	5.5	11.0	116	6	8	4.5	9.5	93	6	8	4.0	9.0	68	6	14	5.5	10.5	61	6	8	*4.5	*8.0	49	3	8	*4.0	*6.5	26	6	4	3.0	4.0
22	160	7	4	8.0	13.5	138	6	6	9.5	16.0	114	6	6	5.5	9.5	93	6	10	5.0	11.0	67	8	12	*5.0	*10.0	60	6	4	*5.0	*8.0	48	4	8	*3.5	*7.5	26	4	4	*3.0	*4.5
23	158	8	2	8.5	13.5	136	5	6	8.0	14.0	113	7	7	5.0	10.0	92	8	10	6.5	13.5	66	9	8	*6.5	*12.5	59	6	6	5.5	*9.0	47	5	9	3.5	6.5	26	4	2	*2.0	*4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month January 19 61

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	156	6	2	*9.0	*14.5	133	5	7	*11.5	*20.0	109	8	4	9.0	18.5	87	6	10	7.5	17.0	62	5	8	*6.0	*12.0	54	4	4	6.0	11.0	45	4	4	3.0	6.0	26	4	4	2.5	4.5
01	156	4	2	*8.5	14.0	132	4	6	*9.5	*18.5	109	6	6	10.0	19.0	85	7	8	9.0	17.5	60	4	7	*6.0	12.0	56	4	6	*5.0	11.0	45	6	4	*3.5	*6.5	26	2	4	2.5	4.5
02	158	2	4	*9.0	*14.5	132	4	6	*11.5	*19.0	109	8	6	10.5	20.0	84	9	5	9.0	19.0	60	4	7	*6.5	*13.0	54	2	6	*5.0	9.0	45	4	6	*3.0	*5.5	24	4	2	2.0	4.0
03	156	4	2	*9.5	*15.5	130	8	4	*10.5	*16.0	107	10	4	12.5	21.0	83	6	8	12.0	21.5	58	6	6	*7.0	*13.5	52	4	2	4.0	8.0	41	4	2	*3.0	*5.5	24	2	2	2.0	4.0
04	156	4	2	*10.0	*16.5	130	8	4	11.5	18.5	107	8	6	12.0	21.0	79	8	6	7.5	15.0	58	10	6	*7.0	*14.0	52	4	2	*5.0	*10.0	41	2	6	*2.5	*4.5	24	4	2	2.5	4.0
05	156	4	2	*11.5	*18.5	124	8	4	*10.5	*18.0	93	12	8	15.0	23.5	57	14	8	12.0	22.0	57	5	7	6.5	*11.5	54	2	4	*4.0	*8.0	40	3	4	*4.0	*6.5	24	4	2	3.0	5.5
06	152	4	2	*11.0	*18.0	120	6	4	*10.0	*20.0	81	12	8	14.0	23.5	53	14	12	12.5	17.5	40	8	6	*8.0	*14.0	41	5	7	*7.0	*11.0	37	4	2	4.5	7.0	25	3	3	2.0	3.5
07	152	4	2	*11.0	*18.5	118	6	6	13.0	21.5	83	12	12	12.0	20.0	56	11	13	13.0	20.5	34	5	12	*8.0	*12.0	32	9	8	*5.0	*8.0	35	6	6	*2.0	*4.5	26	2	2	2.0	3.5
08	154	2	4	*12.0	*19.5	118	4	10	*13.0	*22.0	85	6	14	12.0	21.5	55	12	12			22	14	2	*3.0	*5.0	28	10	7	*5.5	*9.0	32	7	3	*3.0	*5.0	26	3	3	2.5	5.0
09	152	3	4	*13.0	*21.0	120	2	10	*14.0	*23.5	85	12	10	13.0	21.0	58	13	11			28	13	8	*3.5	*6.5	31	12	6	*3.5	*6.0	32	7	5	*3.0	*5.0	26	4	4	2.0	3.5
10	154	2	4	14.0	22.0	120	4	8	*15.0	*24.5	83	15	6	18.0	26.0	56	17	11	17.5	23.0	30	10	10	*5.0	*7.5	30	12	8	*4.0	*6.5	31	6	4	*2.0	*4.0	25	4	6	3.0	5.0
11	153	4	5	*16.0	*22.5	120	5	7	*16.0	*25.0	87	10	11	9.5	18.5	55	15	8			30	5	10	*1.5	*3.5	28	9	9	*5.0	*9.0	27	11	3	*3.5	*5.0	26	5	5	2.5	4.5
12	154	3	5	*11.0	*18.0	124	5	8	*11.0	*18.0	89	10	12	7.0	13.0	58	15	13	6.5	9.5	30	16	10	*2.0	*3.5	26	8	7	*3.0	*5.0	27	8	4	*2.0	*4.0	26	7	3	1.5	3.0
13	155	3	5	*12.0	*19.0	124	7	6	*8.0	*15.0	93	12	12	7.5	13.5	61	12	16	8.0	17.5	34	19	14	*3.0	*5.5	32	11	11	*2.0	*3.5	29	11	6	*3.5	*5.5	26	2	4	3.5	5.5
14	156	3	4	*10.0	*17.0	126	6	4	*6.0	*11.0	95	9	10	6.0	10.0	59	8	10			31	28	11	*4.0	*6.5	32	7	8	*1.5	*3.5	33	6	11	*4.0	*6.5	27	6	4	2.5	4.5
15	158	4	6	*9.5	*17.0	128	7	7	*5.0	*9.5	*98			5.0	9.5	*59			8.0	11.0	32	26	12	*4.0	*7.0	32	10	6	*4.0	*7.0	*39			*4.0	*6.5	*27			2.5	3.5
16	*158			*10.5	*17.0	*127			*7.0	*13.5	97	10	6	5.0	9.5	63	13	14	8.5	13.0	*33			*4.0	*6.0	*37			*1.5	*3.5	*41			*3.0	*6.0	29	4	5	1.5	4.5
17	158	4	4	*7.5	*14.0	126	9	5	*10.0	*21.0	95	11	8	8.0	15.0	61	17	12	13.0	23.0	36	19	15	*3.0	*5.0	43	9	11	*4.5	*9.0	43	2	8	3.0	6.0	28	5	4	3.0	5.0
18	156	5	3	*12.0	*19.5	126	7	6	*9.0	*16.0	97	9	7	8.5	16.5	68	7	12	6.0	16.5	49	11	9	*5.5	*10.0	47	5	7	*3.5	*7.0	45	2	2	*3.0	*5.5	28	3	6	2.5	5.0
19	154	6	2	*11.0	*18.5	128	6	4	*8.0	*15.0	107	7	9	8.5	18.0	81	7	8	6.0	11.5	58	5	11	6.0	11.0	55	5	5	4.0	8.0	47	2	2	*3.0	*6.0	28	7	6	3.0	4.0
20	158	3	6	*11.5	*18.0	132	6	5	*8.0	*16.0	111	7	7	10.0	21.0	86	9	8	7.5	12.5	62	9	7	*4.0	*8.0	56	6	3	*4.5	*9.0	47	2	3	*2.5	*5.0	27	6	5	5.0	7.0
21	158	4	4	*11.0	*18.0	132	6	5	*10.0	*18.5	109	8	4	9.0	18.0	88	7	9	7.0	12.5	63	7	5	5.5	13.0	58	4	6	3.5	7.0	45	3	2	*3.0	*5.0	26	4	4	2.5	5.0
22	158	4	6	*11.0	*16.0	132	8	4	*12.5	*21.0	109	9	4	7.0	14.5	87	10	6	8.5	15.0	62	7	7	6.5	14.5	56	5	2	4.0	8.5	45	5	2	*4.0	*7.0	26	4	4	3.5	5.5
23	157	5	5	*9.5	*15.0	132	6	4	*10.5	*18.5	109	8	6	10.0	21.0	87	10	6	8.5	15.0	61	7	5	7.0	14.0	54	4	4	*5.0	*8.0	45	4	4	*3.5	*6.0	26	6	2	2.0	4.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month February 1961

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	160	5	3	*9.0	*14.0	134	8	4	10.5	17.0	114	5	7	9.5	17.0	82	9	7	7.0	15.0	66	10	4	*5.5	*13.0	57	4	2	5.0	10.0	45	4	4	4.5	8.0	24	2	2	3.0	4.5
01	160	3	2	8.5	13.5	134	5	2	10.0	17.0	112	6	4	*9.0	*15.5	83	5	6	8.0	19.0	66	9	8	7.0	14.0	58	5	5	4.0	10.0	46	3	4	*4.0	*7.0	24	2	2	3.0	4.0
02	160	2	2	7.5	13.5	134	4	2	9.5	15.0	112	4	3	8.5	16.0	89	8	6	8.5	17.5	66	4	5	*7.0	*14.5	57	4	2	4.5	8.5	47	4	5	*6.0	*9.0	24	3	2	3.0	4.0
03	160	2	4	9.5	15.5	134	4	2	10.0	17.0	111	6	5	*8.0	*16.0	87	8	4	7.5	17.0	64	6	4	*6.0	*13.0	57	4	2	*4.5	8.5	43	6	4	*4.5	*7.0	24	2	2	2.0	3.0
04	158	4	2	10.0	16.0	134	4	4	10.0	16.0	110	5	3	10.0	18.0	85	9	7	*9.0	18.0	64	6	6	*6.0	*14.0	57	2	4	5.5	10.0	41	6	6	*3.5	*7.0	24	2	2		
05	159	3	5	10.0	16.5	132	4	4	10.5	18.0	106	9	8	*13.0	*24.0	75	10	10	*8.0	*14.0	64	6	8	7.0	15.0	58	4	4	*6.0	*11.0	39	6	6	*4.0	*6.5	24	2	2		
06	158	4	2	10.0	17.0	126	8	4	11.0	18.0	87	23	8	*11.5	*19.0	45	36	6	*12.5	*21.5	50	12	2	*7.5	*14.0	49	6	4	*6.5	*11.0	40	5	3	*5.5	*9.0	24	0	2		
07	156	4	2	11.0	17.5	124	8	4	12.0	19.5	88	16	10	*11.0	*19.0	43	26	4	*10.0	*17.0	38	16	10	*7.5	*15.0	36	11	7	*5.0	*8.5	38	7	5	4.0	6.0	24	2	0	3.0	4.5
08	158	2	6	12.5	18.5	121	8	7	12.5	21.0	91	12	11	12.5	22.0	43	22	4	*15.0	*25.5	22	14	4	*6.5	*9.0	31	12	10	6.0	8.0	33	8	4	4.0	7.0	24	2	2	2.0	3.0
09	156	6	4	12.0	19.0	122	8	8	*13.5	*22.0	91	16	15	*14.0	*23.0	47	33	8	*5.0	*7.5	20	18	2	*3.5	*8.0	26	13	5	*3.0	*7.5	31	5	4	*2.5	*5.0	24	3	2	2.5	4.0
10	156	5	6	13.0	*20.0	122	15	7	*14.0	*22.0	90	13	14	*11.0	*19.0	48	7	8	*6.0	*11.0	18	22	0	*4.5	*7.5	27	15	7	*4.0	*6.0	31	5	4	*3.0	*6.0	24	2	2	2.0	4.5
11	156	5	6	*13.0	*20.0	126	8	10	12.0	21.5	93	12	12	10.0	18.0	51	8	8	*3.0	*5.0	22	11	4	*5.5	*11.0	27	13	8	*3.0	*7.5	31	5	9	*3.5	*7.0	23	4	2	2.0	4.0
12	158	5	7	*12.5	*19.5	128	6	6	*12.0	*21.0	97	15	12	7.5	14.5	53	35	6	*3.0	*6.0	26	21	8	*3.5	*7.0	27	15	4	*2.5	*5.0	29	8	3	*4.0	*6.0	24	6	2	2.0	4.5
13	158	7	5	10.0	17.0	132	6	6	6.5	12.0	100	12	8	5.5	11.5	56	28	7	*3.5	*6.0	26	21	6	*2.0	*3.5	27	11	8	*2.5	*8.0	32	8	6	*3.0	*5.5	24	4	2	3.5	5.0
14	160	6	3	8.5	14.5	132	8	3	7.5	13.5	100	19	2	*7.5	*14.5	*67					30	25	11	*5.0	*8.5	34	11	12	*5.5	*8.0	35	6	4	*4.0	*6.5	*25			3.0	4.5
15	*164			*7.5	*14.0	*135			*5.5	*12.5	*104			*6.0	*12.0	*55			*4.0	*7.0	*35					*35			*4.5	*8.5	*39			*5.5	*8.5	*27			3.0	4.0
16	*162			*8.0	*14.0	*132			*5.0	*9.0	*102			*7.5	*12.5	53	30	5	*7.0	*11.0	*31					*41			*4.0	*7.0	43	4	3	*5.0	*8.0	28	7	2	3.5	5.5
17	162	5	3	*8.0	*14.5	130	11	3	6.5	11.0	100	21	6	*7.0	*12.0	59	27	8	*5.0	*8.0	39	19	8	*4.0	*7.5	45	13	7	*3.0	*6.5	46	3	4	*3.5	*6.0	28	5	5	4.0	6.5
18	160	5	2	7.5	14.5	130	13	2	7.0	12.5	106	16	6	5.0	11.0	78	28	7	*5.0	*8.0	54	11	8	*4.5	*8.5	53	7	6	*3.0	*9.5	47	4	2	*2.5	*5.0	24	10	2	3.5	6.0
19	160	6	2	8.0	14.5	134	11	3	*7.0	*12.0	113	14	3	5.0	10.0	91	15	6	*5.0	*10.5	64	12	5	*5.0	*10.5	61	5	6	*3.5	*7.0	49	2	4	*4.0	*6.0	24	6	2	2.0	4.0
20	162	5	5	*9.5	*16.5	136	7	4	6.0	12.0	114	12	4	5.5	11.5	94	10	5	*5.0	*10.0	*69			4.0	8.0	61	3	2	*4.5	*8.5	49	2	3	*3.0	*6.0	24	3	2	9.0	11.5
21	161	5	3	*9.5	*15.5	138	16	6	8.0	15.0	114	4	6	*5.5	*11.5	95	8	4	5.0	9.5	67	8	3	*5.0	*10.5	61	2	2	*5.5	*9.5	48	5	3	*3.0	*6.0	24	2	2	2.5	3.5
22	160	3	4	10.0	15.5	136	4	4	9.5	16.0	114	7	6	7.0	14.5	93	10	3	5.5	13.0	68	4	4	*6.0	*12.0	59	4	2	*4.0	*7.0	47	2	4	4.0	6.5	24	2	2	2.0	4.0
23	160	6	2	10.0	15.0	136	8	6	*9.5	*17.5	112	10	6	8.5	16.5	95	6	8	7.5	15.0	66	8	4	6.0	12.5	59	4	4	*5.0	*8.0	46	3	3	*4.5	*8.0	24	1	2	2.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month December 19 60

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	152	2	4	10.0	16.0	118	5	4	8.0	12.5	99	7	6	9.0	13.0	73	17	9	3.5	6.5	49	8	4	*4.5	*7.0	50	6	7	*4.0	*6.5	32	6	3	2.0	4.0	17	3	2	0.5	2.0
01	150	3	2	10.5	16.0	118	3	5	9.0	14.5	103	8	8	3.0	7.5	74	17	11	4.0	9.0	50	7	5	*6.5	*11.0	50	8	5	*3.0	*6.0	32	11	4	*1.5	*3.0	17	2	1	0.5	2.0
02	150	4	2	10.0	16.5	118	4	5	10.5	16.5	101	6	8	4.5	8.5	72	20	8	4.0	6.5	45	8	4	5.5	9.0	50	8	7	4.0	7.0	32	6	4	2.0	3.5	17	3	0	0.5	2.0
03	150	4	2	11.5	18.5	116	6	4	8.5	14.0	103	5	13	5.5	9.5	72	18	12	1.5	3.0	47	8	5	*6.0	*9.5	50	9	6	*4.0	*7.0	32	4	4	*2.0	*3.5	17	3	0	2.0	3.5
04	150	4	2	10.5	17.0	116	7	4	11.0	17.0	101	6	12	4.5	8.5	72	11	14	2.5	4.0	47	8	6	*5.5	*8.0	48	8	3	6.5	10.0	32	8	3	*1.0	*3.0	19	1	2	1.5	3.0
05	150	3	2	11.0	18.0	118	4	9	13.0	19.0	101	6	8	4.0	8.0	71	14	12	2.5	4.5	47	6	7	*7.5	*10.5	48	4	7	*5.5	*7.5	31	11	1	*3.0	*5.0	19	1	2	1.0	2.5
06	150	4	2	11.5	19.0	114	6	6	10.5	16.5	103	6	11	3.0	6.5	60	10	4	2.0	3.0	47	6	8	*9.0	*13.0	48	6	6	*5.5	*9.5	34	7	4	*5.0	*6.0	19	1	2	1.5	3.0
07	148	4	0	12.0	19.5	112	2	5	*10.0	*12.0	97	10	14	5.0	11.0	60	5	4	2.5	4.5	45	6	7	*3.5	*6.5	49	7	5	*6.0	*9.5	40	9	7	*4.0	*6.0	21	2	4	3.0	4.5
08	148	2	2	12.0	19.0	106	4	4	6.0	9.0	85	8	7	4.0	7.0	56	12	3	1.0	2.0	37	8	5	*6.0	*8.5	42	6	4	*7.0	*9.5	38	10	4	*8.5	*13.0	19	5	0	1.5	3.5
09	*146			12.0	19.0	*102			*7.5	*7.5	*88					*58			1.0	2.5	*31			*6.0	*9.0	*31			*4.5	*7.5	*42			*9.0	*13.5	*21			*3.0	*4.5
10	*143			*11.0	*17.0	*98					*89			2.5	5.5	*59			1.0	3.0	*33			*3.0	*5.0	*25			*3.5	*5.5	*34					*23			*1.0	*3.0
11	144	2	4	*9.5	*16.5	*98			*10.5	*13.5	85	12	8	5.0	6.5	54	14	4	2.0	3.0	31	4	2	*2.5	*5.5	22	9	4	*3.0	*3.0	36	8	12	*7.0	*8.5	21	4	2	*2.0	*3.5
12	144	4	2	9.0	15.0	98	10	6	*12.0	*14.0	87	6	6	5.5	8.0	58	8	8	2.0	4.0	34	6	6	*4.5	*6.0	23	6	7	*4.0	*5.5	38	14	10	*5.0	*6.5	22	4	2	*2.0	*4.0
13	144	4	0	*7.5	12.5	98	8	6	*9.0	*12.0	87	8	9	10.5	15.5	59	6	7	2.0	4.0	36	4	4	*4.5	*6.5	25	10	7	*3.0	*5.0	44	18	12			23	2	3	*1.0	*3.0
14	146	2	2	7.5	12.0	100	7	6	*8.0	*11.0	87	7	8	6.0	10.0	60	8	7	1.0	2.0	36	3	3	*2.0	*4.0	32	8	8	*4.0	*6.5	47	11	6	*9.0	*14.0	23	2	4	*3.0	*4.0
15	146	3	2	7.0	11.0	100	7	4	*12.5	*13.0	85	7	6	7.0	11.0	64	7	8	1.5	3.5	37	4	6	*3.0	*5.5	40	6	5	*5.0	*7.5	44	18	6	*3.0	*5.0	21	4	2	2.0	3.5
16	146	2	2	8.0	13.0	104	9	5	*10.0	*14.5	91	4	8	4.5	9.0	66	14	8	2.0	4.0	38	7	3	*4.0	*7.0	46	11	10			47	9	9			19	4	2	2.0	3.5
17	148	2	2	8.0	12.0	112	4	4	*7.5	*11.0	95	3	9	5.5	9.0	70	13	13	2.0	5.0	41	6	4	*4.0	*7.5	48	7	8	*5.0	*7.5	42	18	4	*7.0	*9.5	19	4	2	1.5	3.0
18	148	4	0	7.5	12.5	114	6	4	6.5	10.0	97	5	7	2.5	7.5	76	6	14	3.0	5.0	44	7	5	*4.0	*7.0	50	18	8	*3.0	*6.0	44	22	10	*6.0	*8.0	17	4	2	1.0	2.5
19	150	2	2	8.0	12.5	116	4	4	*8.0	*11.5	99	6	7	3.5	8.0	66	18	8	3.0	5.0	47	6	6	*5.5	*8.5	51	26	8	*4.0	*7.0	42	24	10	*6.5	*8.0	18	2	3	0.5	2.0
20	150	3	2	8.5	13.0	116	5	4	*7.0	*10.0	97	9	6	4.5	8.5	70	20	9	4.0	6.0	47	5	4	*6.0	*9.0	50	15	5	*3.0	*6.0	35	15	5	*2.0	*4.0	17	4	2	0.5	2.0
21	150	4	2	8.5	14.0	116	5	3	7.5	12.0	101	6	7	4.5	9.5	72	15	11	4.0	6.0	49	5	5	4.5	8.0	50	8	6	4.5	7.0	32	6	2	*3.0	*4.0	17	2	2	0.5	2.0
22	150	4	1	7.5	13.0	116	5	4	8.5	11.5	101	6	6	4.5	8.5	70	22	8	5.0	8.5	49	10	4	*5.5	*9.5	50	9	5	*4.0	*7.0	32	5	2	*3.0	*5.0	17	3	2	0.5	2.0
23	152	3	2	9.0	15.0	118	5	4	8.0	11.0	99	11	6	4.0	7.0	69	19	7	3.5	6.0	50	10	2	*5.5	*9.0	50	6	6	4.5	7.0	32	6	2	*1.5	*3.0	17	3	2	0.5	2.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month January 19 61

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	150	2	2	9.0	15.0*	115	4	4	8.0	10.5	100	6	8	2.5	6.0	74	17	10	*3.0	5.5	49	5	9	5.0	7.0	46	27	4	*5.0	*7.5	31	4	2	2.0	4.0	17	0	0	0.5	2.0
01	150	2	4	*9.0	*14.0	115	5	4	6.5	10.5	105	6	8	7.0	12.0	71	21	9	*2.0	4.0	48	4	10	*5.0	*7.5	46	7	5	4.5	7.0	31	4	2	3.0	5.0	17	0	0	0.5	2.0
02	150	2	4	10.5	17.0	115	4	4	6.5	10.0	103	8	12	4.0	9.5	75	16	15	*3.0	6.0	46	9	8	*5.5	*8.0	44	4	2	*5.5	*8.5	31	6	2	2.0	3.5	17	0	0	1.5	2.5
03	150	2	3	11.0	18.0	113	4	2	7.0	10.5	103	6	4	4.5	8.0	71	15	12	2.0	3.5	48	5	8	*8.0	*12.0	44	4	3	*5.0	*7.5	32	5	1	2.0	4.0	17	0	0	*3.5	*5.0
04	150	2	3	11.0	17.0	113	4	4	7.0	13.0	103	6	11	4.5	8.0	68	19	10	*1.0	3.0	45	3	8	*6.5	*9.0	45	5	3	5.5	8.5	31	6	2	1.5	3.5	17	1	0	2.0	3.0
05	150	2	5	11.0	18.0	111	7	2	10.0	17.5	106	7	5	3.0	6.5	66	18	6	*6.0	10.0	44	5	4	*4.5	*7.0	44	4	2	*4.0	*7.0	31	2	2	1.5	3.0	17	0	0	3.5	4.5*
06	150	2	4	11.0	18.5	111	5	4	*8.0	*13.0	107	4	7	3.5	9.0	62	10	7	*1.5	3.5	46	6	6	*3.0	*6.0	46	4	4	4.5	7.0	37	0	4	*7.5	*10.0	17	2	1	3.0	4.5
07	150	2	6	12.0	19.0	109	5	6	7.0	9.5	97	8	10	5.0	10.0	60	6	4	*2.0	5.0	44	4	6	*5.5	*9.0	46	17	4	*4.0	7.0	39	9	6			17	2	0	2.0	3.0
08	148	2	6	11.0	18.0	103	5	5	*5.5	*7.0	85	6	4	2.5	7.0	58	8	2	1.0	3.5	36	8	6	3.0	5.5	44	4	4	*4.5	6.5	41	12	5	*5.5	*8.0	19	4	2	2.0	3.5
09	142	8	2	*14.0	*21.0	101	8	6	*10.0	*12.0	*87			7.0	11.5	*59			*0.5	*2.0	*31			*6.5	8.5	30	8	4	*4.0	6.5	*37					*21			*4.0	*6.0
10	*143			*14.0	*21.0	97	10	8	*14.0	*15.5	85	16	10	4.0	7.5	60	7	8	*3.0	*4.0	*30			*5.0	8.5	*24			*3.0	5.5	40	6	10			21	2	4	3.0	5.0
11	143	3	3	12.5	19.0	99	10	5	*4.0	*7.5	85	16	9	6.0	10.0	58	12	5	*1.5	*4.5	32	7	6	*7.5	3.0	24	4	6	*2.5	6.0	35	15*	8			21	2	4	*3.0	*4.5
12	144	3	4	10.0	17.0	100	8	10	7.5	11.0	86	13	13	7.0	10.5	60	8	9	*1.5	*2.5	32	6	4	*4.0	6.0	24	6	7	*3.5	5.5	37	6	12			21	2	1	*2.0	*4.0
13	144	4	3	11.0	17.0	99	8	7	*7.0	*12.0	90	11	16	5.0	9.5	62	5	10	*2.0	*3.0	34	6	6	*3.5	5.0	26	8	6	*10.0	15.0	43	10	10	*4.0	*7.0	21	2	2	*2.0	*4.0
14	144	4	2	8.5	15.0	98	9	5	6.0	9.0	91	8	12	5.0	9.0	60	16	8	*1.5	*3.0	34	4	2	*3.0	5.0	30	7	6	*3.0	6.0	47	8	7	*5.0	*7.0	21	2	2	3.0	4.5
15	144	2	2	8.0	13.0	101	6	8	*6.5	*10.0	87	6	8	4.5	7.5	64	18	8	*1.5	*3.5	36	6	4	*2.5	4.5	38	6	7	*3.0	5.0	53	11	12	*4.0	*5.5	19	4	2	2.5	4.0
16	144	2	2	8.0	13.0	103	10	6	*6.0	*8.5	89	6	4	5.5	8.5	64	18	6	*1.0	*3.0	38	6	4	*4.0	7.5	44	5	5	*5.0	7.0	43	18	6	*1.5	*3.5	17	4	0	1.5	3.0
17	146	2	4	7.0	12.0	108	7	5	*6.0	*10.0	95	6	8	2.5	4.0	66	16	9	*1.5	*3.5	40	9	2	*7.0	9.5	47	5	7	*7.0	10.0	42	23	5	*4.5	*8.0	17	2	0	1.0	2.0
18	148	2	3	6.5	11.0	111	5	4	5.0	8.5	99	4	6	2.5	5.5	68	16	8	*1.5	*2.5	46	4	8	*4.0	6.5	50	7	6	*5.0	8.5	47	16	14			17	0	0	1.0	2.5
19	148	2	2	7.5	11.5	111	8	2	4.5	8.0	99	6	3	6.0	9.0	68	16	8	*1.5	*3.0	46	4	8	*6.0	7.5	47	18	3	*5.0	7.5	37	19	6	*2.5	*4.5	17	0	0	1.0	2.5
20	148	3	2	6.0	10.5	113	5	4	5.5	8.5	100	6	7	4.0	9.0	71	17	11	*2.5	*5.0	48	6	9	*6.0	9.5	48	28	4	*6.0	9.0	33	21	4	2.0	3.5	17	0	0	1.0	2.0
21	148	4	2	7.5	12.0	113	5	5	*4.0	*7.0	101	5	10	5.5	10.0	72	20	12	*2.0	*3.5	48	7	10	*7.0	10.0	46	9	2	*5.0	8.0	31	13	2	2.0	3.5	17	0	0	1.0	2.5
22	150	2	2	7.0	11.5	115	4	6	5.0	8.5	101	6	8	6.5	12.5	72	18	8	*1.0	*3.5	48	6	10	*4.0	6.0	46	7	3	*5.0	7.5	32	3	3	2.0	4.0	17	0	0	1.0	2.5
23	150	2	2	8.5	14.0	115	4	4	5.5	8.0	101	6	10			76	19	12	*2.5	*5.0	48	6	7	*3.5	6.0	46	8	4	4.0	7.0	31	2	0	2.0	3.0	17	0	1	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month February 19 61

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm
00	152	2	4	10.0	15.5	112	7	1	7.5	12.0	98	4	6		
01	152	2	4	10.5	17.0	115	5	5	7.5	12.5	101	7	9	8.5	15.0
02	150	4	3	9.0	15.5	114	7	4	*8.0	*13.0	102	6	10	5.0	11.0
03	150	2	4	*10.0	*16.0	114	7	5	*9.0	*14.0	98	9	5		
04	152	2	4	10.0	16.5	115	5	7	*8.0	*14.0	102	6	14	4.0	8.5
05	152	2	4	10.5	17.0	115	3	8	*9.0	*14.5	102	6	10	3.5	6.5
06	151	3	5	10.5	17.0	112	5	6	10.5	17.0	103	3	16	4.5	9.0
07	150	4	4	11.5	18.0	109	5	14	13.0	17.5	86	5	8	2.0	6.0
08	148	2	7	12.0	19.0	102	6	13	*11.5	*16.5	88	9	8	5.5	9.5
09	*145			12.0	19.0	*96			*14.5	*18.5	*92				
10	*144			*10.0	*16.0	*101			*14.5	*22.0	*91				
11	142	5	5	*10.0	*16.0	98	7	12	*17.5	*24.0	88	5	7	4.5	8.5
12	146	2	6	*10.0	*15.5	95	11	9	*12.0	*16.0	90	4	8	2.5	7.0
13	146	3	6	*9.0	*14.0	94	8	8	10.5	14.0	92	8	14		
14	144	6	4	9.5	14.0	95	7	9	*11.0	*16.0	96	5	11	5.0	10.5
15	145	4	3	8.0	13.0	99	8	11	*9.0	*11.5	90	8	3		
16	144	6	2	7.5	12.5	99	15	12	*12.0	*17.0	94	6	8	3.5	8.0
17	146	5	4	8.0	13.0	105	9	13	*6.5	10.5	87	9	6	5.5	10.0
18	146	4	2	7.5	13.0	108	8	4	6.0	10.5	94	4	6	6.5	11.0
19	148	2	4	*8.0	*13.0	112	4	6	*6.5	*12.5	94	3	9	4.0	9.0
20	148	4	2	*9.0	*14.0	112	7	5	*6.5	*12.0	96	5	8	5.5	11.0
21	150	4	2	8.0	13.0	113	6	6	*7.0	*12.5	94	11	5		
22	152	3	4	8.5	14.5	113	6	5	*7.0	*12.0	96	10	9	5.0	10.0
23	150	5	2	9.0	15.0	114	4	4	7.5	13.5	96	6	5		

Hour (LST)	.495 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	66	28	6	3.0	6.0	53	5	6	*5.5	*9.5	48	6	5	*4.5	*6.5	32	4	2	2.0	4.0	19	0	2	1.5	2.5
01	64	28	6	4.5	7.0	53	6	5	*6.0	*9.0	48	6	6	*6.0	*9.0	32	4	2	2.0	3.5	19	0	2	1.0	2.5
02	66	24	9	4.0	7.0	51	7	7	*5.5	*7.5	48	6	5	*4.5	*8.0	32	10	2	4.0	5.5	19	0	2	1.0	2.5
03	62	21	6	4.0	7.0	51	7	5	*4.0	*8.0	48	5	6	*5.0	*8.0	32	6	2	2.5	4.5	19	0	0	0.5	2.0
04	62	12	8	3.0	5.5	51	5	4	*6.0	*10.0	48	6	8	*5.0	*8.0	32	2	2	2.5	4.0	19	0	0	0.5	2.0
05	62	9	10	3.5	6.0	51	6	6	6.0	9.0	47	5	7	*6.0	*10.0	36	4	5	*2.5	*3.5	19	0	2	1.0	2.0
06	60	12	9	3.5	6.0	49	6	7			50	4	7	*5.0	*8.0	38	4	5	*11.0	*14.5	19	0	2	1.0	2.5
07	60	4	6	2.5	4.5	45	5	7	*4.0	*6.0	47	6	4	*6.5	*9.0	*39					21	2	2	1.5	3.0
08	56	8	6	3.0	5.0	33	13	4	*5.0	*7.5	41	7	9	3.0	5.5	38	8	6	*10.5	*14.5	21	4	2	*2.0	*4.0
09	*52			6.0	9.0	*33			4.0	6.0	*30			*4.0	*6.5	*37			*2.5	*4.5	*21			*2.0	*3.5
10	51	9	3	4.0	7.0	*31			*4.0	*6.0	*24					36	12	2			21	2	4	*3.5	*5.0
11	52	14	4	3.0	7.0	31	5	6	3.5	5.5	24	8	3	4.0	6.0	36	20	4	*8.5	*11.0	*21			*2.5	*4.5
12	52	14	4	2.0	5.0	31	8	2	*4.5	*7.5	22	8	1	5.5	7.0	36	10	6	*5.5	*7.0	*21			*4.5	*6.5
13	52	8	3	2.0	4.5	32	7	4	*3.5	*5.5	26	6	7	*3.5	*6.0	38	6	3			23	0	4	*1.5	*3.5
14	54	7	5	1.5	3.5	35	6	8	*3.0	*5.5	26	8	4	*4.0	*6.0	48	7	13	*11.5	*18.5	21	2	4	*1.5	*3.0
15	57	9	5	2.5	4.5	35	4	8	*2.5	*5.0	34	10	6	*5.0	*7.0	48	6	11	*2.0	*5.0	21	4	2	3.5	5.0
16	64	9	5	3.5	5.5	36	5	5	3.5	5.0	42	12	7	*5.5	*8.5	46	5	6			19	4	0	*2.0	*3.5
17	66	5	9	4.0	6.0	41	6	3	*5.5	*10.0	47	6	4	*2.5	*5.5	43	9	7	*1.0	*3.0	19	2	2	3.5	5.0
18	68	5	7	4.0	6.5	47	6	6	*7.0	*9.5	54	2	4	*6.0	*8.5	*40			*3.5	*6.5	19	0	2	2.0	3.5
19	66	18	7	0.5	2.5	49	6	6	*3.5	*6.0	52	6	6	*1.5	*3.5	*42			*6.5	*9.5	17	2	0	3.0	4.5
20	66	20	4	4.0	6.0	49	7	2	*5.5	*9.5	52	6	6	*4.5	*7.5	38	5	6	*4.0	*6.0	17	2	0	2.0	3.5
21	66	22	4	3.5	5.5	53	7	5	*5.0	*9.0	52	4	6	4.0	6.5	34	4	3	3.0	5.0	17	2	0	3.0	4.5
22	66	27	4	2.5	5.0	52	5	7	*6.0	*9.0	52	4	9	4.5	7.0	34	4	4	2.0	4.0	19	0	2	2.0	3.5
23	66	24	5	3.0	6.0	51	10	2	*6.5	*10.5	50	4	7	*3.5	*7.5	34	4	4	2.5	4.0	19	0	2	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month January 19 61

Hour (LST)	Frequency (Mc) .135 Fam	Du	Dℓ	Vdm	Ldm	.500 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	99	9	5			75	10	5			56	11	3			59	6	7			39	2	3			22	1	2												
01	100	8	7			76	11	6			57	13	4			57	9	5			39	4	3			22	1	2												
02	100	9	7			77	11	7			58	10	5			58	6	6			39	4	3			22	2	1												
03	100	7	7			75	10	6			58	10	5			56	8	5			39	4	3			22	2	1												
04	99	7	6			69	11	6			58	9	6			55	9	5			39	2	2			22	2	1												
05	98	7	6			67	11	7			57	9	5			56	6	7			39	3	2			23	1	2												
06	97	7	6			64	13	8			56	10	6			56	6	9			39	7	2			23	1	1												
07	92	5	4			55	7	2			50	7	3			54	7	7			41	7	3			23	2	1												
08	88	5	4			54	4	3			34	7	5			41	1	6			38	5	4			24	2	2												
09	88	6	3			54	5	2			31	7	4			33	8	5			36	5	5			24	2	2												
10	87	5	3			54	3	3			31	3	4			30	7	3			34	5	3			24	2	2												
11	88	5	4			54	3	2			31	2	4			29	3	3			34	3	4			25	1	3												
12	88	5	4			55	2	3			32	4	3			26	3	2			36	2	6			26	2	2												
13	88	6	4			55	3	3			33	3	4			26	4	2			36	4	4			26	3	2												
14	87	6	3			55	2	3			33	4	4			27	6	3			37	5	4			26	2	2												
15	88	6	4			55	3	3			33	5	3			31	7	6			39	5	4			27	1	2												
16	90	8	4			55	6	3			37	7	5			43	8	8			45	4	4			25	3	2												
17	91	8	3			55	9	3			46	8	6			50	9	3			47	4	3			25	2	3												
18	93	10	4			59	11	6			50	10	6			55	7	4			47	5	2			23	2	1												
19	96	9	8			63	10	8			53	12	7			58	6	6			47	3	3			22	2	1												
20	97	8	6			70	8	11			55	12	5			*58					42	3	2			22	1	1												
21	97	11	5			74	7	11			56	11	3			*59					40	3	3			22	1	2												
22	98	9	6			75	10	12			56	11	4			60	4	7			39	4	2			22	1	2												
23	97	8	4			75	10	9			57	8	5			58	4	6			39	3	3			22	1	2												

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month February 19 61

Hour (LST)	Frequency (Mc) .135					.500					2.5					5					10					20														
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	99	7	5			80	8	5			58	9	3			56	5	3			35	4	2			24	1	1												
01	99	11	5			81	9	7			60	8	6			56	3	4			35	2	2			24	1	1												
02	100	8	7			80	7	7			59	10	5			54	6	2			34	3	1			24	1	1												
03	100	8	8			80	7	10			59	9	5			53	6	4			34	2	1			24	1	1												
04	98	11	10			76	11	11			61	9	7			53	4	4			39	2	2			24	1	0												
05	96	15	6			72	15	7			58	13	4			52	7	4			39	2	1			23	1	1												
06	93	17	7			66	23	8			56	14	5			52	6	4			39	3	1			23	1	1												
07	88	11	4			62	3	7			50	7	7			50	6	4			41	5	3			23	1	1												
08	86	11	3			56	4	4			40	8	5			36	7	4			41	8	2			25	1	1												
09	87	7	5			55	6	3			36	7	2			32	5	3			42	4	4			26	2	2												
10	87	7	5			54	5	2			34	9	4			30	5	3			40	3	3			26	2	2												
11	87	6	5			54	5	3			34	7	5			28	3	3			39	3	3			26	1	2												
12	87	5	2			56	4	3			30	4	4			32	1	4			41	4	3			24	2	1												
13	88	10	3			57	8	4			30	5	5			32	5	4			42	4	3			24	2	1												
14	88	7	3			56	6	3			30	7	4			33	5	3			43	4	3			25	1	2												
15	88	7	4			57	5	5			31	6	3			34	9	3			45	4	3			24	3	1												
16	88	9	4			56	5	3			36	4	5			36	6	5			47	5	3			26	3	1												
17	89	8	4			57	5	5			44	7	6			44	9	3			48	5	2			26	2	2												
18	93	7	7			62	7	7			54	7	5			52	6	4			49	4	1			26	2	3												
19	94	11	4			67	9	7			56	10	4			54	6	4			49	2	2			24	2	1												
20	96	11	5			73	10	4			56	11	3			58	6	3			41	3	4			22	0	1												
21	97	10	6			77	8	6			57	10	3			58	5	3			38	3	3			22	0	2												
22	99	9	7			78	9	6			58	10	4			58	5	4			36	3	2			22	0	1												
23	99	9	6			79	7	5			59	9	5			57	5	4			36	3	2			22	0	1												

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_l = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month June 1959

Frequency (Mc)

Hour (LST)	.051 Fam	Du	Dℓ	Vdm	Ldm	.113 Fam	Du	Dℓ	Vdm	Ldm	.246 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	142	6	8	7.0	11.0	129	7	7	7.0	14.0	115	13	7	7.0	11.5	95	10	11	7.0	12.0
01	140	6	8	*7.0	*12.5	128	8	10	6.0	12.0	115	8	11	*7.0	*14.0	93	10	10	6.5	14.0
02	138	8	5	8.5	15.0	126	7	6	*7.0	*13.0	113	8	10	*6.0	*10.5	93	11	10	*8.0	*15.0
03	138	7	4	10.0	16.5	126	5	11	9.0	15.0	111	10	9	*8.5	*16.0	91	11	10	*8.5	*15.5
04	138	6	8	*9.5	*17.0	126	5	12	*9.0	*18.0	113	6	13	*9.0	*19.0	90	9	10	*13.0	*20.0
05	132	11	6	*13.5	*20.0	118	12	11	*13.5	*24.0	99	14	7	*12.0	*18.5	76	17	18	*12.5	*24.0
06	132	12	14	*10.0	*19.0	118	14	22	*15.0	*25.0	105	10	24	*12.0	*19.5	73	27	19	*12.5	*25.0
07	126	18	12	*13.0	*23.0	114	17	18	*10.0	*20.0	99	17	20	*12.0	*22.5	68	29	15		
08	128	16	15			112	20	18	*12.0	*22.5	96	13	19	*11.0	*21.5	71	20	14		
09	131	13	17	*7.0	14.5	109	23	15	*17.5	*26.5	92	22	20	*10.0	*20.0	63	29	12		
10	128	12	10	*12.0	20.0	108	16	16	*15.0	*25.0	*92					67	14	12		
11	130	8	11	*11.0	17.0	112	10	19	*15.0	*22.0	*97			*14.5	25.0	73	13	18		
12	132	6	10	*12.0	18.0	116	9	11	*13.0	*20.0	95	12	6	*14.0	24.0	71	18	10	*11.0	*20.0
13	134	4	8	10.0	15.0	117	10	11	*9.5	*17.0	99	17	7	*9.0	14.5	79	23	15	*9.0	*16.0
14	136	8	8	*8.0	*13.0	120	14	7	*11.0	*15.5	101	24	6	*9.5	16.5	79	20	8	*10.0	*17.5
15	138	10	4	9.0	13.5	124	12	8	9.0	14.0	109	13	9	*10.0	17.5	89	21	11	*11.5	*20.5
16	140	9	4	*7.5	*12.0	126	12	6	8.0	14.0	112	12	13	*8.5	14.0	91	20	17	*11.0	*18.5
17	140	10	4	*7.0	*10.5	126	10	6	8.0	12.0	111	11	11	7.5	13.5	89	11	10	7.0	12.0
18	142	4	6	*7.0	*11.5	128	5	6	7.0	11.5	109	10	3	6.0	10.0	95	6	6	7.0	12.5
19	142	4	4	*7.0	*12.0	128	5	4	6.0	12.0	111	8	3	6.0	10.5	97	5	8	6.0	11.0
20	142	4	4	7.0	11.5	128	4	5	5.5	10.0	115	6	6	*4.5	*8.0	99	6	10	5.0	8.5
21	142	5	7	6.0	10.5	130	4	6	*4.5	*8.0	117	1	10	*4.0	*8.0	99	4	12	4.5	9.0
22	142	8	6	7.0	11.5	130	6	9	6.0	11.5	115	7	6	*4.0	*8.0	97	7	9	6.0	10.0
23	142	6	4	7.0	13.0	130	5	6	6.0	12.5	117	6	10	*5.5	*10.0	97	7	10	6.5	12.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm*	Ldm*
00	70	4	6	*5.0	*8.5	59	5	7	*3.5	*6.5	40	8	8	*2.0	*5.0	30	0	6	4.0	8.0
01	68	6	11	*6.0	*12.0	59	4	9	*5.5	*8.0	38	6	7	*5.0	*7.5	28	9	2	5.5	11.0
02	66	6	10	*6.5	*11.5	55	8	6	*4.0	*8.0	40	4	9	3.5	6.5	28	2	2	2.0	3.0
03	65	7	11	*3.5	*7.5	56	5	8	6.0	10.0	40	3	8	*4.0	*7.0	26	4	0	1.5	3.0
04	64	7	12	*6.5	*11.0	57	3	10	*5.0	*9.0	40	4	5	*4.0	*7.5	26	6	0		
05	60	6	16	*6.0	*11.0	55	4	7	*5.0	*8.5	40	4	7	*5.0	*8.5	27	5	3	2.0	4.0
06	50	18	16	*10.0	*16.0	51	8	9	*5.0	*9.5	40	3	7	*4.5	*9.0	30	2	4		
07	42	16	13	*10.0	*13.5	48	8	15	*10.0	*14.0	36	9	10	*6.0	*10.0	28	4	2		
08	36	22	6	*6.5	*10.5	37	8	14	*10.0	*16.0	33	5	14	*6.0	*8.0	26	6	2		
09	36	21	9	*16.0	*19.0	33	13	13	*10.5	*16.5	32	6	12	*9.5	*14.5	*26			6.0	6.5
10	38	15	12	*7.5	*11.5	35	6	18	*6.5	*10.0	28	8	11			*27				
11	38	10	6	*6.5	*8.5	*29			*5.5	*7.0	30	10	10	*6.0	*8.0	*26				
12	41	15	5	*8.5	*13.0	*31			*16.5	*19.5	30	6	5	*8.0	*12.0	28	2	2		
13	38	16	4	*10.0	*22.5	31	12	2	*7.5	*10.0	34	8	4	*4.5	*8.0	30	5	2	6.5	9.5
14	40	31	8	*9.5	*17.0	37	13	6	*10.0	*15.0	40	6	5	*6.0	*10.0	32	4	2	5.5	11.0
15	48	24	14	*12.5	*20.0	46	13	10	*8.0	*12.5	44	5	6	*3.5	*7.5	32	4	1	8.5	11.0
16	54	18	14	*8.0	*13.5	53	9	5	6.0	9.5	48	4	2	*3.5	*6.5	34	2	2		
17	61	13	13	*5.0	*8.5	59	5	10	*4.0	*6.5	48	4	2	*3.5	*5.5	32	4	0	3.0	5.5
18	70	2	10	*3.0	*5.0	63	5	8	*4.5	*7.5	48	2	4	*3.5	*6.5	26	4	0	2.5	5.0
19	72	4	6	3.5	6.5	63	4	4	*3.5	*7.0	46	4	4	*4.0	*7.0	26	2	2	2.0	4.0
20	72	2	6	*3.0	*6.5	63	4	11	*2.0	*6.5	44	5	4	*3.0	*6.0	*26			2.0	3.0
21	72	4	8	*3.5	*6.5	63	4	6	*3.0	*5.5	42	7	4	*3.0	*6.0	28	4	2	2.0	3.0
22	70	6	6	3.0	6.0	61	4	7	3.5	6.5	42	4	5	*4.0	*6.0	28	4	4	2.0	3.5
23	72	2	8	3.5	7.0	59	6	4	3.5	7.5	40	7	5	*2.5	*5.0	*28			2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

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MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month July 19 59

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	140	4	4	*8.0	*14.0	128	6	6	6.5	12.5	113	8	8	6.0	11.5	97	8	12	4.5	10.0
01	140	4	6	7.5	14.5	128	2	6	*6.5	*12.5	111	8	4	*7.0	*14.0	97	6	8	6.0	12.0
02	140	2	6	*8.0	*14.0	128	4	6	8.0	14.5	113	6	6	*7.0	*13.5	97	6	10	*7.0	*14.0
03	140	2	8	*9.0	*15.5	128	2	10	*8.0	*16.0	113	4	10	*7.0	*15.0	95	6	10	*7.0	*16.0
04	138	4	8	8.5	16.0	126	4	12	*8.0	*16.0	111	6	8	8.0	17.5	93	8	16	*11.0	*19.0
05	136	4	10	*11.0	*16.5	117	9	9	*11.0	*19.0	94	15	14	*10.0	*17.5	77	12	16	*12.5	*11.0
06	128	8	8	11.0	17.5	111	11	13	*12.0	*20.0	93	10	14	*10.5	*19.0	65	18	8	*16.0	*22.5
07	126	10	6	*12.0	*22.0	108	18	8	*11.0	*18.0	89	18	16	*8.0	*20.0	67	14	12		
08	128	8	10	*13.0	*19.5	106	15	6	*13.0	*19.0	89	8	20	*13.0	*22.0	65	12	4		
09	124	10	8	*14.0	*23.0	108	13	8	*12.5	*19.0	85	8	10	*11.0	*19.0	67	8	6		
10	124	10	6	*13.5	*21.0	106	12	6	*11.0	*15.5	84	22	13			65	23	5		
11	126	11	9	*11.0	*18.0	109	12	10			87	13	12			69	16	6		
12	130	8	8	*10.5	*16.0	112	10	12	*9.0	*13.0	91	17	16	*11.0	*20.0	79	26	7		
13	134	8	8	*11.0	*14.5	122	8	18	*8.0	*12.5	103	15	11	*15.5	*27.0	83	16	18	*17.5	*28.0
14	138	7	10	*9.5	*14.5	124	8	16	*13.0	*18.5	109	4	24	*11.0	*18.0	91	18	28	*12.5	*22.5
15	140	6	12	*7.0	*12.0	128	6	16	*10.0	*15.0	113	14	28	*15.0	*22.0	93	18	26		
16	142	6	12	*6.0	*11.0	128	6	15	*9.5	*15.0	111	12	24	*11.0	*19.0	91	18	26	*10.5	*18.5
17	141	8	10	*9.0	*14.0	130	9	18	*9.5	*16.5	111	15	22	*9.0	*16.0	91	19	16	*6.0	*11.0
18	141	6	10	*6.0	*10.5	127	9	11	7.0	13.0	111	12	10	*5.0	*10.0	97	6	10	*4.0	*8.5
19	142	4	7	5.0	10.5	128	6	6	*5.0	*11.0	111	8	6	*4.5	*9.0	97	6	11	*4.0	*7.5
20	142	4	5	*7.0	*13.0	128	6	6	5.5	11.0	111	8	6	*6.0	*11.0	99	3	7	4.5	9.5
21	140	4	3	6.5	12.0	128	4	6	5.0	10.5	113	6	8	*5.0	*10.5	97	6	6	*4.0	*11.5
22	140	2	3	6.5	12.0	128	4	6	*5.5	*11.0	114	5	11	4.5	8.5	97	10	8	*4.0	*10.0
23	140	2	4	*6.0	*11.5	128	4	6	6.5	12.5	113	8	6	*4.0	*9.0	97	8	8	*5.0	*10.0

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	71	0	12	4.0	8.5	60	2	10	4.0	7.5	39	4	6	2.5	6.0	30	2	4		
01	68	5	9	5.0	9.0	58	4	10	*4.5	*8.0	39	6	8	3.5	7.0	30	10	2		
02	67	8	8	5.0	9.5	58	4	10	4.5	8.5	41	4	8	4.0	7.0	28	8	2		
03	65	6	10	5.0	10.0	56	4	8	4.0	8.5	41	4	8	4.0	7.5	28	6	0		
04	64	5	7	6.0	12.0	56	4	10	5.5	10.0	41	4	8	4.5	7.5	28	4	2		
05	59	8	12	*6.0	*13.0	56	4	8	*6.0	*11.0	41	4	8	*3.5	*7.0	32	6	4		
06	49	8	14	*10.0	*17.5	52	8	10	*8.5	*14.0	41	2	10	*5.0	*9.0	32	8	4		
07	39	11	10	*6.0	*8.5	46	6	10	*6.5	*11.0	35	6	8	*7.5	*12.0	34	6	6		
08	33	14	8			34	6	12	*10.5	*17.0	29	8	7	*9.0	*16.0	31	11	5		
09	37	8	9	*4.0	*6.5	34	5	8	*12.0	*15.5	29	7	8	*10.0	*16.0	30	9	7		
10	39	5	9	*11.5	*17.5	31	12	7	*16.0	*22.0	29	4	9	*8.5	*15.0	26	4	2		
11	35	8	4	*13.0	*18.0	30	11	6	*13.5	*21.5	33	0	9	*7.0	*10.5	30	3	4		
12	45	18	12			34	12	9	*14.5	*20.0	33	4	5	*8.5	*12.0	29	10	5		
13	41	19	6	*11.0	*20.0	38	14	10	*8.0	*13.5	39	2	6	*7.0	*12.0	30	9	4		
14	49	14	16	*12.5	*18.5	40	21	8	*14.0	*20.0	41	6	10	*5.5	*9.5	32	10	2		
15	53	22	16	*10.0	*16.0	50	14	10	*5.5	*10.0	45	4	12	*5.5	*9.0	34	6	6		
16	57	16	20	*8.5	*15.0	54	8	8	*7.0	*11.0	49	4	8	4.0	7.0	34	6	6		
17	59	14	16	*4.5	*9.0	60	2	6	*3.5	*7.0	49	4	4	3.5	7.0	32	6	2		
18	69	2	10	3.0	6.0	64	2	6	5.0	8.0	49	4	4	4.0	7.0	30	10	4		
19	71	2	8	3.5	6.5	64	4	8	*3.5	*7.0	45	4	4	3.0	6.5	28	4	4		
20	73	0	10	2.5	6.0	64	2	8	*3.5	*6.5	43	8	6	3.0	7.0	28	4	2		
21	73	0	14	3.5	7.0	66	2	8	*4.0	*7.5	43	6	10	3.5	6.0	30	4	4		
22	71	4	14	3.5	6.5	62	4	14	3.5	7.0	45	9	12	3.0	6.5	30	2	4		
23	70	3	7	4.0	7.5	60	2	8	4.0	7.5	41	6	8	3.0	6.0	30	4	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_l = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

Power only published in Technical Note. No. 18-3.

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month August 19 59

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	137	7	4	7.0	14.5	125	6	8	7.0	14.0	110	6	11	7.0	14.5	92	8	7	6.0	14.0	63	11	12	4.5	8.0	56	4	8	4.5	8.0	42	5	4	3.0	6.5	*35				
01	135	7	4	8.0	15.5	123	7	6	8.5	14.0	108	8	9	8.0	19.0	92	14	1	*7.0	*15.0	64	6	11	5.0	10.0	56	5	6	*5.0	*9.0	42	4	6	4.5	7.0	*37				
02	135	8	5	8.0	15.0	123	7	8	8.0	14.5	108	9	10	7.5	16.5	90	9	8	7.0	18.0	62	9	13	6.0	11.0	54	7	8	5.0	8.5	44	3	11	4.0	7.0	*37				
03	135	7	7	9.0	15.0	123	6	9	7.5	14.0	106	9	9	8.0	15.5	88	11	8	7.0	16.0	60	6	13	*5.5	*9.0	54	4	7	*5.0	*8.5	42	4	8	4.5	8.0	*36				
04	135	5	9	7.5	16.0	121	6	9	8.5	17.5	104	9	17	9.5	19.5	86	12	14	*7.0	*19.0	58	10	10	6.0	12.5	54	8	8	5.5	10.0	39	5	8	*6.5	*9.0	*31				
05	133	6	11	9.5	17.0	113	7	9	*10.0	*17.5	83	13	10	*11.5	*20.5	64	13	11	*8.5	*18.0	52	13	13	7.5	11.5	54	5	12	*7.5	*12.0	40	5	7	*5.0	*7.5	*33				
06	125	8	9	6.0	13.0	105	11	18	*9.5	*15.0	74	17	14	*6.5	*12.0	58	9	7			44	13	12	9.0	12.5	48	7	9	*8.5	*13.0	38	5	13	*6.0	*10.5	33	6	4		
07	123	7	11	8.0	14.0	103	9	10	*5.0	*8.0	76	13	8	*8.0	*15.0	60	6	9			38	4	8	*10.0	*11.5	44	4	12	*7.0	*12.5	34	4	8	*7.5	*12.5	39	2	12		
08	123	6	14	11.0	20.0	100	13	9	*7.5	*12.0	76	16	9	*6.0	*11.5	60	6	9	*8.5	*15.0	36	13	13	*5.5	*7.5	32	14	12			28	8	6	*8.5	*13.0	37	4	13		
09	121	6	12	12.5	21.0	99	14	6	*11.0	*14.0	74	14	11	*6.0	*11.5	58	6	8	*8.5	*11.0	36	6	10			28	14	6			26	10	12			*28				
10	123	4	10	10.0	16.0	101	8	8	6.0	10.0	74	10	6	*4.5	*10.0	58	4	8	*9.0	*14.0	32	9	8			28	14	10			23	16	8			29	2	4		
11	125	4	6	8.5	14.5	107	4	10	*6.0	*11.0	77	9	7	*5.5	*10.5	63	5	9	*12.0	*17.0	36	12	8			34	12	15			*30					31	10	6		
12	127	6	4	8.0	12.0	107	8	8	6.0	11.0	80	15	10	*4.5	*10.5	58	18	6	*5.5	*9.5	*34					*30					*30			*9.0	*13.0	*31				
13	131	6	6	7.0	12.5	111	12	6	*5.0	*10.0	82	22	9	*8.5	*14.0	62	18	10			30	10	2			28	14	9			32	4	6	*8.0	*12.5	*32				
14	132	5	5	8.0	12.5	112	11	5	*7.5	*11.5	86	20	10	*8.0	*13.5	67	17	11	*13.0	*24.0	36	8	9	*6.5	*10.0	34	10	10			35	5	7	*6.5	*10.0	*36				
15	133	7	6	6.0	12.0	113	12	4	8.0	13.0	87	21	13	*6.5	*15.0	68	18	18	*12.0	*21.0	36	14	4			42	4	10	*10.0	*16.0	42	4	12	*4.0	*8.0	*34				
16	133	8	4	6.5	12.0	113	13	7	8.0	14.5	90	17	11	9.5	15.0	70	17	11	*10.5	*15.5	42	12	14	*8.0	*11.5	46	8	14	*6.0	*9.5	44	4	10	*4.0	*7.0	40	6	7		
17	132	8	3	6.5	13.0	115	9	7	7.0	12.5	92	14	7	*9.0	*13.5	79	9	9	5.5	11.0	50	12	10	*5.0	*8.0	52	6	10	*3.0	*4.5	48	3	6	3.0	6.0	39	8	6		
18	133	8	7	6.5	12.5	119	10	4	6.0	11.0	104	8	13	5.5	12.0	90	4	3	4.5	10.0	66	3	14	2.5	5.5	60	4	5	4.5	7.0	48	2	5	4.0	7.0	*38				
19	137	6	4	6.0	13.0	123	7	6	6.0	12.0	106	6	7	5.0	11.0	92	5	6	4.5	9.5	68	6	9	3.5	7.0	62	4	4	4.0	6.5	46	6	5	3.5	6.5	*41				
20	137	8	4	6.5	13.5	123	7	6	7.0	12.5	107	9	8	*6.0	*13.0	93	3	5	5.5	12.0	68	6	12	*5.0	*9.0	62	4	10	*5.0	*8.0	44	6	6	*3.0	*6.0	*39				
21	137	8	4	6.0	13.5	123	9	4	6.0	13.0	108	8	8	6.0	12.5	94	6	10	5.5	12.0	66	6	10	*4.0	*7.5	62	3	10	*4.0	*7.0	44	3	11	*4.0	*7.0	*38				
22	137	9	4	7.0	14.0	124	7	6	6.0	13.0	109	8	9	6.0	13.5	92	7	8	*4.5	12.0	66	6	12	5.0	8.0	58	6	11	*4.0	*7.5	44	3	9	4.0	6.5	*33				
23	137	7	4	6.5	13.5	125	5	6	6.5	13.5	110	6	8	7.0	14.0	93	8	9	5.5	13.5	66	5	16	*5.0	*8.5	58	5	8	4.5	7.0	44	4	4	*4.0	*7.0	*39				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T. H. Lat. 22.0 N Long. 159.7 W Month December 19 60

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	3	2	10.0	17.0	128	6	3	10.0	16.5	103	8	7	10.5	18.0	84	10	11	11.5	22.5	60	7	4	4.5	9.5	52	6	4	4.5	8.0	38	6	3	3.0	5.0	24	3	2	1.5	3.0
01	154	3	3	9.5	16.0	130	4	3	10.5	18.0	105	8	8	10.0	19.0	84	10	8	10.5	19.5	58	8	2	5.5	10.0	54	2	6	3.5	6.5	38	6	4	3.0	6.0	24	2	2	1.5	3.0
02	154	2	2	9.0	15.0	130	5	3	11.0	18.5	103	10	6	10.5	18.0	82	12	6	10.0	20.0	60	6	5	5.5	11.0	54	5	6	5.5	10.0	36	6	3	3.5	6.0	24	3	2	1.5	3.0
03	154	4	4	8.5	14.0	132	4	4	11.0	19.0	105	10	8	10.0	18.0	82	13	6	8.5	17.5	60	6	4	6.0	10.0	52	5	4	4.0	8.0	36	5	4	3.5	5.5	24	0	0	1.5	3.0
04	154	4	2	9.5	15.0	132	4	4	12.0	20.0	103	11	5	10.0	20.5	82	14	8	13.0	21.0	58	9	4	7.5	12.0	48	5	2	5.0	9.0	32	4	2	3.5	5.0	24	0	0	1.0	2.5
05	154	3	2	9.0	13.5	132	4	2	12.0	19.0	103	11	4	11.5	21.0	80	13	8	11.5	20.5	60	6	7	5.5	9.5	48	2	4	6.0	9.5	34	2	5	3.0	5.0	24	0	0	1.0	2.5
06	154	3	2	9.5	16.0	132	3	4	11.5	18.5	103	7	8	11.0	20.0	72	14	7	*9.5	*18.0	56	11	4	5.5	10.0	46	7	4	4.5	8.0	34	4	4	3.0	5.5	24	1	0	1.0	2.5
07	156	1	2	9.0	16.0	126	3	4	12.0	19.0	88	15	10	*13.5	*21.5	58	16	8	10.0	17.0	52	10	6	6.0	9.5	48	6	4	3.5	6.5	40	2	4	4.0	8.0	24	2	0	2.0	3.0
08	150	2	2	10.0	16.5	118	7	4	12.0	19.5	76	22	15	*14.5	*25.0	52	20	7	*9.0	*18.5	44	8	9	6.0	9.5	36	8	8	*5.0	*8.0	34	7	5	4.5	7.0	24	2	2	4.0	5.5
09	150	4	4	10.5	17.0	111	13	12	13.5	21.0	74	28	13	*9.0	*13.0	50	17	2	7.0	9.0	34	11	3	3.0	5.0	24	8	4	3.5	5.5	28	9	7	*3.0	*5.0	24	2	2	*4.5	*6.5
10	150	3	4	11.5	17.5	110	16	11	14.5	24.5	73	24	12	*12.0	*18.0	52	17	2	5.0	11.0	32	3	3	2.5	4.0	20	7	4	*3.0	*5.5	22	10	8	*6.0	*8.0	22	2	2	4.0	5.0
11	150	4	4	12.0	19.0	110	10	10	14.0	21.0	72	30	10	14.5	28.0	50	24	4	8.0	16.5	32	2	4	3.0	5.0	20	6	4	*5.5	*7.0	18	6	6			22	0	2	*5.0	*6.5
12	150	4	4	13.0	20.0	111	12	13	16.0	24.5	76	22	19	12.5	24.5	50	17	4	10.5	14.0	30	2	2	*2.5	*4.5	20	4	4	*6.0	*8.0	16	8	5			22	0	3	*4.0	*6.0
13	150	3	6	13.5	21.0	110	16	11	14.5	22.0	73	23	17	*5.0	*7.0	50	20	6	*4.0	*6.0	30	3	2	*4.0	*6.5	18	6	2	*8.0	*10.0	17	11	7			22	2	2	*4.0	*6.0
14	150	4	6	14.5	22.5	110	14	8	15.0	22.5	75	22	18	11.0	18.5	51	19	7	*3.0	*5.0	30	4	4	*2.5	*5.0	20	4	4			18	12	4	*5.5	*8.5	24	2	2	*2.5	*4.5
15	148	4	2	14.5	23.0	106	14	8	13.0	20.5	69	31	12	*9.0	*15.5	48	20	4	*6.5	*8.5	30	6	2	2.5	4.0	22	6	6			22	12	4	*7.0	*12.0	26	2	2	*3.0	*5.0
16	150	2	6	13.5	21.5	106	15	9	15.0	24.0	73	22	14	12.0	20.0	50	14	6	8.0	10.5	32	2	4	*3.0	*5.0	22	9	2			30	4	4	*2.5	*4.5	26	4	4	2.5	4.0
17	148	6	4	14.0	20.5	106	18	12	13.0	22.0	78	23	13	13.5	22.0	56	26	8	*9.5	*21.0	36	12	6	4.0	6.0	34	13	6			36	5	6	2.5	5.0	26	4	2	3.0	5.0
18	148	4	5	11.5	19.5	114	15	12	12.0	24.0	87	22	14	13.0	23.0	70	22	17	14.5	23.0	47	16	8	7.5	10.0	44	9	8	*5.0	*10.0	36	4	4	*4.0	*7.0	26	2	2	2.0	4.0
19	150	5	6	12.0	19.0	114	20	8	11.5	18.5	91	20	18	*14.0	*23.0	75	22	14	11.5	22.5	54	12	12	8.5	15.0	47	19	6	*4.0	*7.0	36	4	2	*3.0	*5.0	24	4	0	2.0	4.0
20	152	4	6	11.0	17.5	120	14	12	13.0	22.0	95	18	14	12.0	21.0	79	17	14	13.0	22.0	58	8	13	8.0	14.0	48	9	8	*5.5	*9.5	36	5	3	4.0	6.5	26	1	2	2.0	3.5
21	152	4	4	10.5	17.0	122	13	10	12.5	20.0	98	15	14	11.5	22.0	79	21	12	11.0	20.5	56	11	9	8.0	13.0	50	4	8	*5.0	*8.0	38	5	4	2.5	5.0	26	3	2	1.5	3.5
22	154	4	4	10.0	16.5	124	9	6	13.0	21.0	101	12	10	11.0	22.0	80	13	9	8.5	19.0	58	10	8	7.5	13.0	50	6	5	5.0	8.0	40	5	6	2.5	5.0	24	3	1	1.5	3.0
23	154	4	4	10.0	17.0	128	5	6	11.0	18.5	101	14	8	10.5	19.0	84	13	12	*10.0	*19.0	58	7	4	6.0	10.0	50	6	4	4.0	7.5	38	6	2	3.0	6.0	24	3	2	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T. H. Lat. 22.0 N Long. 159.7 W Month January 19 61

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	152	3	3	10.0	16.5	128	6	4	12.0	19.5	104	10	12	15.0	24.0	83	15	10	11.5	24.0
01	153	4	4	11.0	18.0	128	6	5	12.0	20.0	104	8	10	11.5	21.5	84	12	12	11.0	23.0
02	151	6	1	11.5	18.0	130	5	5	13.0	22.0	104	9	8	12.5	20.0	81	16	8	12.0	23.0
03	153	4	4	11.0	17.5	130	6	5	11.5	21.0	104	10	9	12.0	20.0	83	16	12	10.5	21.0
04	153	4	3	11.0	17.0	130	6	6	12.5	21.0	104	9	10	11.0	21.0	81	15	10	11.0	21.0
05	153	4	3	10.5	17.0	130	5	6	12.5	20.5	105	7	11	12.0	21.5	79	14	10	12.5	23.5
06	153	4	3	11.5	18.0	130	4	5	13.0	21.0	102	8	9	13.0	22.5	75	15	13	12.5	21.5
07	155	3	4	11.0	18.0	124	6	2	12.5	20.5	92	9	10	12.5	22.5	61	16	9	11.5	18.0
08	151	2	5	12.0	18.0	120	9	6	12.5	19.0	83	13	15	13.5	23.5	55	15	6	8.5	12.5
09	149	5	4	12.5	19.0	114	3	8	15.0	24.0	75	27	13	*14.0	*28.0	53	15	5	6.0	9.5
10	149	5	4	13.0	19.0	112	13	12	16.5	25.0	80	23	20	*13.5	*26.0	53	16	4	5.5	8.0
11	149	4	4	12.0	19.0	110	10	12	17.0	26.0	73	23	13	*15.0	*26.0	51	12	4	3.0	5.0
12	148	5	3	13.5	20.0	110	15	10	17.0	27.0	74	24	12	13.5	24.5	51	11	6	6.0	8.5
13	148	5	3	14.0	21.0	111	12	11	*18.0	*27.5	71	22	11	*18.0	*24.5	51	19	4	*9.0	*12.0
14	147	6	4	14.0	21.0	108	10	8	19.0	26.5	68	24	9	*16.0	*26.0	50	24	4	*10.0	*12.0
15	147	4	4	16.0	22.5	108	12	10	18.5	27.0	70	22	10	*15.5	*17.5	51	12	4	8.0	10.0
16	147	4	3	16.5	23.0	106	14	8	*16.5	*24.0	71	24	9	*14.5	*23.5	51	13	4	8.0	10.5
17	145	4	2	15.0	22.0	104	14	6	*14.0	*22.5	82	13	17	*13.5	*25.0	55	22	5	*10.0	*16.5
18	145	4	4	13.5	21.0	112	13	6	14.0	21.0	88	16	12	13.5	25.0	69	16	11	*13.5	*22.5
19	147	3	3	12.5	18.5	116	10	6	16.0	25.0	92	12	12	13.5	26.5	75	13	12	13.5	23.5
20	149	3	2	10.5	16.5	120	6	10	15.0	23.0	94	8	14	14.0	25.0	77	9	10	12.0	24.5
21	149	4	1	9.5	16.0	120	8	6	14.0	22.0	98	8	12	12.5	24.5	83	8	15	12.0	24.0
22	151	3	3	9.5	14.5	124	6	8	13.0	21.0	102	8	12	15.5	26.0	81	8	11	*11.0	*22.0
23	151	4	2	10.5	17.0	126	6	4	12.0	19.5	101	8	9	12.0	24.0	85	8	13	16.0	27.5

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	55	10	4	7.0	13.0	52	4	5	6.5	10.5	34	4	4	3.0	5.5	23	2	0	1.0	2.0
01	55	11	4	6.0	10.0	54	4	6	5.0	9.0	34	4	4	3.0	5.0	23	2	0	1.5	3.0
02	57	9	6	7.0	11.5	54	5	7	5.0	8.5	34	5	5	2.0	4.0	23	4	0	1.5	3.0
03	59	8	8	7.0	12.5	52	7	4	5.0	10.0	32	6	4	2.5	5.0	25	2	2	1.5	3.0
04	57	9	7	7.0	10.5	48	6	4	6.0	9.5	30	4	2	2.0	3.0	25	1	2	1.5	3.0
05	59	8	9	8.0	12.5	48	5	6	6.5	10.5	30	3	2	1.5	3.0	25	2	0	1.0	2.5
06	57	6	8	8.0	13.0	47	5	6	5.5	8.0	30	4	2	2.0	3.0	25	2	0	1.0	2.5
07	53	9	7	6.0	10.0	50	5	8	3.5	7.0	36	9	7	*6.0	*10.0	25	2	1	1.0	2.5
08	43	8	6	4.5	7.0	40	9	6	*4.5	*7.5	32	9	4	5.0	7.0	25	2	2	2.0	3.5
09	37	10	6	3.0	4.5	26	11	4	4.5	7.0	27	9	4	*4.0	*7.0	25	2	2	*3.5	*6.0
10	32	6	3	2.0	3.5	26	9	6	*1.5	*4.0	24	9	6	*7.5	*3.0	23	1	2	3.0	5.0
11	31	2	2	2.0	4.0	22	7	4			20	12	6	*5.0	*7.0	21	2	0	*3.0	*4.0
12	29	5	0	2.5	4.0	22	6	4	*2.5	*4.0	22	6	10			21	2	2	*2.5	*4.0
13	31	9	4	3.0	5.0	23	9	5	*4.0	*6.0	21	13	9	*7.5	*3.0	23	4	2	*1.0	*3.0
14	31	3	4	*2.5	*4.0	22	8	4			22	10	6	*7.5	*3.0	23	4	2	*3.0	*5.0
15	31	10	2	3.0	4.0	26	10	8	*3.0	*6.5	26	9	4	*4.0	*7.0	25	1	2	*2.0	*4.0
16	31	8	2	3.5	5.0	28	11	7			32	6	8	*4.5	*7.0	25	2	2	3.0	4.0
17	35	8	5	5.0	8.0	38	8	9	*3.0	*6.0	38	4	7	*2.5	*5.0	25	2	2	*2.0	*3.5
18	43	9	6	*6.0	*10.0	47	7	12	*2.5	*4.5	36	6	6	3.0	5.5	25	2	2	2.0	4.0
19	51	8	6	6.0	8.0	48	8	6	*6.5	*10.0	34	6	3	*3.0	*6.0	23	4	0	0.5	2.0
20	51	9	4	6.0	9.5	48	6	4	4.5	8.5	34	5	4	*3.0	*4.5	23	4	0	1.5	2.5
21	51	9	4	8.0	11.0	49	7	6	*5.5	*9.0	36	5	4	3.0	5.0	23	4	0	1.0	2.5
22	53	9	3	*8.5	*14.5	50	6	5	5.0	8.5	36	4	6	2.5	4.5	23	2	0	1.0	2.5
23	56	6	5	7.5	12.0	50	5	4	4.5	7.5	36	4	6	3.0	5.5	23	4	0	0.5	2.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_l = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T. H. Lat. 22.0 N Long. 159.7 W Month February 1961

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	153	2	4	9.5	16.5	129	3	7	11.0	17.5	103	10	7	11.0	18.5	84	9	6	13.0	24.0	58	9	4	4.0	7.0	56	7	7	*7.5	*12.5	38	5	4	3.5	6.5	24	2	0	1.5	3.0
01	153	2	4	10.0	17.0	130	4	8	11.0	14.0	106	9	6	11.5	20.0	85	10	5	12.5	20.0	58	9	4	5.0	9.0	56	6	3	*7.0	*12.0	36	6	2	3.5	6.0	24	2	0	1.5	3.0
02	153	2	4	10.0	17.0	130	4	8	10.5	18.5	105	11	4	12.0	21.0	85	10	6	12.0	21.0	60	9	5	6.5	10.0	57	6	3	*5.0	*9.0	36	5	2	2.5	4.5	24	3	0	1.5	3.0
03	153	2	2	10.5	17.0	130	6	4	12.0	19.5	106	8	6	11.5	20.5	85	9	7	12.0	21.5	60	9	5	7.0	12.0	56	8	4	*3.5	*7.0	34	6	2	2.5	5.0	26	0	2	1.0	2.5
04	153	4	4	10.5	17.0	130	4	4	12.0	20.0	106	9	8	11.0	20.0	85	12	6	11.5	23.0	62	6	8	9.5	15.0	51	5	3	6.5	10.5	32	5	3	2.5	4.5	26	0	0	1.0	2.5
05	153	4	2	10.0	17.0	130	4	6	11.5	19.0	104	14	6	11.5	21.0	84	12	7	11.5	22.0	60	8	6	9.0	15.0	50	4	2	5.5	9.5	31	2	3	2.0	4.0	26	1	0	1.0	2.0
06	155	2	4	10.5	18.0	130	4	7	11.0	18.0	102	10	8	11.0	21.0	79	12	10	11.5	20.0	60	8	6	5.0	8.5	49	7	3	5.5	9.0	30	4	0	2.0	3.5	26	0	0	1.0	2.5
07	155	2	4	11.5	18.5	124	4	8	13.0	20.5	90	14	10	14.0	24.5	65	26	10	*11.0	*22.5	58	7	10	5.0	8.0	52	5	7	4.0	8.0	38	6	4	*4.0	*7.0	26	2	0	1.0	2.5
08	151	4	2	11.0	18.0	120	7	10	12.0	20.5	83	23	13	15.0	27.5	61	27	10	6.0	8.0	48	11	8	*5.5	*9.0	40	10	6	*5.0	*8.5	34	5	2	*3.5	*6.0	26	2	2	2.0	3.5
09	151	4	4	12.0	19.5	114	10	10	14.5	21.0	88	16	20	*15.0	*25.5	56	22	6	10.0	13.5	38	16	2	3.0	4.5	31	11	9	2.0	4.0	30	4	6	*3.0	*5.0	26	4	2	*3.0	*4.5
10	144	4	2	12.0	19.0	112	8	8	14.5	25.5	82	18	16	15.0	26.0	53	21	4	8.0	10.0	34	8	2	*2.0	*4.0	26	8	6			24	8	8	*3.0	*5.0	24	4	2	2.5	4.0
11	144	6	2	12.5	20.0	114	8	8	16.5	25.5	80	26	14	15.0	25.0	53	18	4	*9.0	*13.0	34	4	4	2.0	3.5	22	4	2	*3.5	*5.0	20	12	4	*5.5	*9.0	24	0	2	2.0	4.0
12	144	6	2	13.0	21.0	113	3	5	14.5	24.0	83	18	17	15.5	26.0	53	26	4	*5.0	*7.5	34	9	4	*2.5	*4.5	22	7	4	*3.0	*5.5	18	10	7	*7.5	*13.0	22	2	2	*3.0	*5.0
13	149	6	4	14.5	21.5	112	13	5	15.5	25.0	76	22	10	15.0	24.0	51	19	4	*9.0	*11.5	33	5	3	2.0	3.0	22	6	6	*2.5	*3.5	16	10	4			24	4	2	*2.5	*4.5
14	148	7	3	14.0	23.0	112	13	7	*16.5	*25.0	76	20	10	*18.5	*27.0	53	14	4	*8.5	*12.0	33	7	3	2.0	4.0	22	6	6	*2.0	*3.5	19	7	5			24	2	2	*3.5	*5.5
15	147	8	2	16.5	25.0	112	8	7	15.0	26.0	82	25	15	*18.0	*29.0	54	24	6	*12.0	*20.0	32	13	2	*3.0	*4.0	22	10	4			24	12	4	*3.0	*6.0	26	2	2	*4.0	*5.5
16	147	8	2	17.0	25.0	110	16	7	*18.0	*27.0	74	26	9	*17.0	*28.0	54	19	7	*12.5	*17.5	33	11	3	1.5	3.0	26	8	8			30	6	8	*2.5	*5.0	26	2	2	*3.0	*5.0
17	147	6	4	15.0	22.0	108	16	8	*16.5	*23.5	71	24	6	*12.5	*17.5	55	11	7	*3.5	*9.0	36	10	6	*2.5	*4.0	30	12	4			36	4	4	3.5	6.0	26	2	2	2.5	4.0
18	147	6	4	13.5	21.0	106	16	11	*15.0	*21.5	82	20	14	15.5	25.0	65	21	6	*14.5	*26.5	42	10	8	*5.0	*7.0	40	6	4	*5.0	*8.0	38	6	6	4.5	8.0	26	2	2	2.5	4.0
19	149	4	4	11.5	18.5	112	16	8	15.5	22.5	88	13	6	*15.0	*24.0	75	13	8	13.5	23.0	50	12	4	4.0	6.0	46	8	4	*5.0	*7.5	36	7	2	4.0	6.5	24	2	0	1.5	3.0
20	151	2	4	10.5	18.5	118	8	8	16.0	22.0	96	12	8	14.0	26.0	81	9	11	13.5	21.0	54	8	6	7.0	10.0	48	4	6	4.5	8.0	36	6	4	*3.0	*5.5	26	2	2	2.0	3.5
21	151	4	2	10.0	17.0	120	10	6	16.5	25.5	98	10	8	15.0	25.0	81	14	8	*12.0	*22.0	58	8	6	6.0	9.5	50	6	6	4.5	7.0	38	2	4	3.0	6.0	25	3	1	1.5	3.0
22	151	4	2	10.0	16.5	122	8	6	12.0	21.0	100	10	8	13.0	24.0	84	7	10	*15.0	*23.0	56	11	4	6.5	12.5	52	2	6	6.0	9.0	38	4	2	2.5	4.5	25	1	1	1.5	3.0
23	153	2	2	9.5	16.5	127	5	9	12.0	19.5	102	11	6	10.5	19.0	83	10	6	11.5	20.0	58	7	6	5.5	10.0	52	4	4	5.0	8.0	38	4	4	4.0	6.0	24	3	0	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month November 19 60

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	156	2	2	7.5	10.5	128	4	4	8.0	13.5	104	6	8	5.5	11.0	80	8	4	*8.0	*11.0	55	8	4	5.0	8.0	51	6	2	5.0	8.5	36	4	2	5.5	8.0	26	0	2	2.0	3.0
01	154	4	1	7.0	10.5	126	6	3	9.0	13.5	104	6	11	*8.0	*11.0	80	7	5	*6.0	*9.0	55	6	2	5.0	7.5	53	6	4	5.5	8.5	38	3	5	4.5	7.0	26	2	2	2.0	3.0
02	154	3	2	7.5	10.5	126	6	4	9.0	13.5	104	6	14	*10.0	*14.0	80	6	4	*5.0	*7.0	55	6	4	4.0	7.0	51	6	6	7.0	10.0	36	8	2	5.5	8.0	26	0	2	2.0	3.0
03	154	4	2	7.0	10.0	126	5	4	8.5	14.0	102	6	18	10.0	17.0	78	4	4	6.0	9.0	55	8	4	5.0	7.5	51	8	4	5.0	8.0	38	2	4	4.5	7.0	26	2	2	1.5	2.5
04	154	4	2	7.0	11.0	126	4	4	8.0	12.5	100	4	12	*13.0	*18.0	78	7	4	6.5	9.5	53	4	4	4.0	7.0	51	2	4	5.0	8.0	34	8	3	2.5	5.0	26	0	2	1.5	3.0
05	154	4	2	8.0	12.0	126	2	4	8.5	13.5	102	8	12	*8.5	*12.0	76	8	4			55	6	4	6.0	7.5	49	4	4	6.0	9.0	34	7	4	*6.0	*9.0	26	2	2	3.0	3.5
06	154	2	2	9.0	11.5	121	6	4	9.0	14.0	92	8	17	*5.5	*8.5	70	4	3	2.0	3.5	53	4	6	5.0	6.0	51	2	6	5.5	9.5	40	4	6	*3.0	*8.0	26	2	2	*2.5	*3.5
07	150	4	0	6.5	10.0	112	10	1	10.0	16.0	88	6	16	*6.0	*11.0	68	3	3	2.0	3.5	49	2	6	3.0	4.5	39	6	6	*4.5	*7.0	40	2	8	*5.5	*9.0	26	2	2	*2.0	*4.0
08	150	4	2	7.0	10.0	112	4	6	*14.0	*19.5	88	8	12	*7.5	*10.5	68	6	2	2.0	3.5	47	3	7	2.0	3.0	33	7	3	3.0	3.5	*37			*4.0	*9.0	26	6	2	*5.0	*6.0
09	150	2	2	8.0	10.5	110	8	10	*14.0	*20.0	88	6	8	6.5	11.0	68	4	4	*2.0	*3.5	47	4	4	2.0	3.0	31	5	2	*3.0	*4.0	30	8	5	*7.5	*12.0	26	4	3	*4.0	*7.5
10	150	2	2	9.0	12.5	112	6	8	*14.0	*19.0	88	5	15	*7.0	*11.0	66	4	2	*2.5	*3.5	47	2	4	2.0	3.0	31	2	3	2.0	3.0	*27			*6.0	*8.5	26	2	4	*3.0	*5.0
11	150	4	2	7.0	10.0	112	8	6	*12.0	*18.5	85	9	9	*6.5	*11.5	68	2	2	1.5	2.5	45	4	4	*2.0	*3.0	31	2	3	2.5	4.0	*35			*5.0	*7.0	28	4	4	*2.5	*4.0
12	150	2	2	8.0	11.0	114	4	8	14.0	19.5	85	9	9	*8.0	*11.5	68	2	2	2.0	3.5	45	4	4	2.0	2.5	33	5	4	1.5	2.5	*30			*8.0	*10.0	28	4	2	*3.5	*5.0
13	150	2	2	9.0	12.0	116	3	7	*13.0	*19.0	88	5	14	*9.0	*12.0	68	3	4	*2.0	*3.5	47	1	5	*2.0	*3.0	31	7	2	2.0	3.5	30	4	4	*3.0	*4.0	28	7	4	*3.0	*4.0
14	152	2	4	8.5	12.0	114	6	8	14.0	20.0	86	6	9	6.0	9.0	67	3	3	2.0	3.5	45	2	5	2.0	3.0	31	4	4	*2.0	*3.0	29	3	2	*4.0	*4.5	28	5	2	*3.5	*4.0
15	152	2	2	8.5	12.0	114	4	8	12.0	19.0	84	6	9	6.0	10.5	67	4	3	2.0	3.0	43	4	2	1.0	2.5	31	6	2	2.0	3.5	34	7	2	*4.0	*5.0	30	4	4	*3.0	*5.0
16	152	2	2	7.5	10.5	112	4	4	12.0	18.0	86	8	4	6.5	11.0	70	8	2	2.5	4.5	44	3	3	2.0	3.0	37	8	6	3.0	5.0	40	6	2	*4.0	*6.5	30	5	3	*3.0	*5.0
17	154	2	2	7.0	10.0	116	5	5	11.5	18.0	98	4	4	*8.0	*13.5	78	5	5	*5.0	*7.0	49	4	4	3.0	4.0	47	4	6	4.0	6.0	44	11	4	*4.5	*10.0	30	2	2	3.5	4.0
18	154	2	2	6.5	10.0	120	7	4	11.0	10.0	100	7	13	*8.0	*13.0	82	3	6	*6.0	*9.5	53	4	6	5.0	7.0	51	4	6	4.5	6.5	46	5	5	*5.0	*8.0	30	4	2	2.5	4.5
19	154	2	2	6.0	9.0	124	4	4	9.0	14.0	102	6	18	12.0	18.0	82	4	6	*8.0	*11.5	53	4	2	5.0	7.0	51	4	4	4.0	6.5	44	8	4	*2.5	*4.5	30	2	2	3.0	4.5
20	156	1	2	6.5	9.5	126	2	5	10.0	13.0	104	6	15	7.5	13.0	82	4	3	*6.5	*10.5	55	4	4	3.5	5.5	51	4	4	4.0	7.0	46	7	4	*4.5	*7.0	30	2	3	3.0	4.5
21	156	2	2	5.5	9.0	126	4	2	7.5	11.0	104	5	7	7.0	10.0	84	6	3	*5.0	*7.0	55	2	4	3.5	6.0	51	4	2	4.5	8.5	41	7	3	*4.0	*6.5	28	2	2	2.0	3.5
22	156	2	2	6.0	10.0	126	4	2	7.0	10.0	106	4	6	7.5	12.0	80	6	5	*6.0	*8.0	55	4	4	4.5	7.5	51	2	2	5.0	7.0	39	5	3	4.5	7.0	26	2	2	3.0	3.5
23	156	2	2	6.5	10.0	126	4	2	8.0	12.5	104	4	10	6.5	9.5	82	6	4	6.0	9.0	57	4	4	4.0	6.5	51	4	4	5.0	8.0	39	7	5	*4.0	*6.5	26	0	2	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month December 1960

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	5	4	7.0	9.5	129	9	2	6.0	10.0	101	18	9	*6.0	*8.0	83	18	4	5.0	7.0	57	10	4	5.0	7.5	51	12	3	*5.0	*8.0	39	6	4	4.0	6.0	25	4	0	2.0	3.5
01	154	4	5	6.5	10.0	131	6	4	7.0	10.5	103	15	11	*7.0	*9.0	83	15	6	*4.5	*6.5	57	10	4	4.0	7.5	55	6	4	*5.0	*9.0	39	4	5	4.0	7.0	25	2	0	2.0	3.5
02	154	5	5	7.0	10.5	131	8	4	7.0	11.0	101	17	6	6.0	8.5	83	16	5	*6.0	*8.0	55	10	4	4.5	6.5	53	7	2	*8.0	*10.0	37	4	4	4.5	7.0	25	2	0	2.0	3.5
03	154	4	5	7.0	11.0	129	10	2	7.5	12.0	100	19	8	*8.0	*11.0	81	21	5	3.5	5.5	55	11	2	4.0	5.0	55	7	4	*5.5	*10.0	35	8	2	*5.0	*7.0	25	4	0	2.5	3.5
04	154	5	5	7.0	10.0	130	9	2	7.5	11.5	99	23	6	*9.5	*12.5	81	20	7	6.0	7.5	55	8	2	3.0	5.5	53	8	5	5.5	9.0	35	8	2	4.0	5.0	25	2	0	2.5	3.5
05	153	5	6	8.5	12.0	129	11	2	*8.5	*13.0	102	9	15	*7.0	*10.0	79	23	6	*2.5	*3.5	55	12	4	4.0	6.0	53	9	4	*6.0	*9.0	36	7	3	4.0	5.5	27	6	2	3.0	3.5
06	156	4	7	8.0	11.5	129	9	5	8.5	13.0	93	22	8	*11.0	*14.0	76	21	5	*2.5	*3.0	53	18	4	4.0	6.0	53	16	6	*6.0	*8.0	41	4	7	*6.5	*12.5	28	9	3	*4.0	*7.0
07	152	5	4	7.5	11.0	121	12	5	9.0	12.5	88	25	7	*5.5	*11.0	73	10	7	*2.5	*3.5	49	16	2	3.0	4.5	42	19	5	*7.0	*8.5	39	4	4	4.5	6.5	27	12	2	*3.0	*5.5
08	150	6	4	*7.5	*11.5	115	20	11	*10.0	*14.0	*92					73	23	4	*1.5	*3.5	49	13	4	3.5	4.5	*34			*9.0	*12.0	33	10	4	4.0	7.5	29	9	4	*6.0	*8.0
09	148	6	6	*8.0	*11.5	112	21	8	*10.0	*12.5	*93			*3.0	*4.0	72	16	3	*2.0	*4.0	49	5	4	*2.0	*4.0	33	12	2	*2.0	*4.0	*32			*8.0	*11.5	*29			*8.0	*11.5
10	149	5	5	7.5	11.0	113	20	8	*10.0	*13.0	89	19	8	*4.5	*6.0	*71			*1.5	*3.0	48	4	3	*2.0	*3.5	31	14	4	*1.5	*2.5	*31			*7.0	*10.0	27	7	2	*3.0	*5.0
11	148	6	4	8.5	12.0	111	18	5	*10.5	*13.5	87	6	12	*5.0	*6.5	71	10	4	*1.5	*3.0	47	2	4	*1.5	*3.0	33	5	6	*3.0	*4.0	*31			*4.5	*7.0	31	8	6	*4.0	*7.0
12	150	5	6	7.5	10.0	115	12	8	*12.0	*16.0	*87			*6.0	*8.5	71	14	4	*2.0	*3.0	47	2	4	*3.0	*6.5	33	14	6	*4.0	*6.5	*30			*2.0	*5.0	30	5	6	*9.0	*11.5
13	148	7	4	7.5	10.5	111	15	6	11.5	16.0	*82			*3.5	*7.0	71	16	4	*1.0	*3.5	47	3	4	*2.5	4.0	33	15	7	*2.0	*3.5	31	5	3	*4.0	*6.0	27	5	2		
14	146	9	2	7.0	9.5	112	13	5	8.5	13.0	*87			*7.0	*11.0	71	2	4	*2.5	*4.0	45	2	4	*2.5	*6.0	32	5	3	*1.5	*3.0	31	6	3	*2.5	*5.0	29	7	2	*4.0	*6.0
15	150	5	4	6.0	9.0	109	11	5	*9.5	*15.0	*87			*7.0	*11.0	71	2	4	*2.5	*4.0	47	3	8	*2.5	*4.0	33	4	2	*2.0	*4.0	35	6	2	*3.0	*4.5	29	7	2		
16	150	7	3	6.0	9.0	110	13	8	10.0	13.0	89	21	8	*8.0	*10.0	73	15	2	2.0	3.5	46	3	3	*2.0	*3.0	41	8	5	*2.5	*5.5	42	5	4	4.5	6.0	31	10	2	*4.0	*5.0
17	152	6	4	5.0	8.5	115	11	6	10.0	13.5	93	17	12	*8.0	*11.0	81	8	6	*4.0	*5.0	49	3	4	1.5	3.5	52	4	3	*4.0	*5.5	43	6	4	4.0	6.0	31	5	2	3.5	5.5
18	152	6	2	5.0	7.5	117	8	6	10.0	13.0	97	8	11	*8.0	*12.5	83	9	7	*6.0	*8.5	51	3	2	*2.0	*4.0	53	6	6	3.0	4.0	46	4	4	*4.0	*6.5	31	6	2	3.0	4.5
19	154	6	4	5.5	8.0	121	9	6	9.0	13.0	101	9	15	*8.0	*10.0	80	12	5	*4.5	*6.0	53	3	4	5.0	6.5	53	6	4	3.0	5.0	45	3	8	4.0	5.0	31	4	2	3.5	4.0
20	154	6	4	4.0	6.5	125	10	4	6.5	10.0	101	6	10	*8.0	*10.0	81	12	3	*6.5	*9.0	53	10	2	4.5	6.5	51	8	6	3.0	7.5	43	6	2	4.0	7.0	30	3	3	2.0	4.0
21	156	5	4	5.0	7.5	129	6	4	5.5	7.5	101	8	8	*5.0	*7.5	85	6	4	*4.0	*5.5	53	10	2	3.0	5.0	51	5	3	5.0	8.0	41	10	2	4.5	7.0	27	4	0	2.5	4.0
22	155	6	3	5.0	8.0	129	9	3	5.0	7.5	101	16	4	*6.5	*9.0	83	17	4	*5.0	*8.0	53	10	2	3.0	5.5	51	10	6	3.5	5.5	41	5	2	4.5	7.5	27	2	2	*2.0	*3.0
23	155	4	4	5.5	8.0	130	12	5	6.0	9.5	103	15	9	*6.0	*9.0	82	18	3	*4.0	*6.5	53	12	2	3.0	5.0	51	12	4	4.0	7.0	40	5	3	6.0	9.0	25	4	2	2.5	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month January 1961

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	157	6	2	8.5	12.5	130	4	4	8.5	13.0	103	7	10	*5.0	*7.5	83	16	6	*5.0	*8.0	58	13	9	6.5	11.0	53	6	4	4.5	8.0	37	9	4	4.5	7.5	25	6	0	1.5	3.0
01	155	6	0	9.0	13.0	129	7	5	9.0	14.5	102	11	8	*8.0	*8.0	83	17	10	*6.5	*11.0	57	16	7	6.5	10.5	55	10	5	4.5	8.0	36	11	2	4.5	7.0	25	3	0	2.0	3.0
02	157	4	2	8.5	12.0	128	7	4	8.5	13.5	102	8	10	9.0	12.5	79	18	6	*7.0	*10.0	55	18	6	6.0	12.0	*53			5.0	7.5	37	11	5	5.0	8.5	25	8	0	2.0	3.0
03	157	3	4	9.0	13.0	128	6	4	*8.5	*12.5	98	13	8	*8.0	*12.0	79	14	6	6.5	9.5	54	16	8	7.0	12.0	55	11	6	6.0	8.5	36	5	4	4.0	6.0	27	6	2	2.0	3.0
04	157	4	4	9.5	13.5	128	7	4	11.0	15.0	102	8	10	10.5	15.0	80	6	9	*5.0	*8.0	54	16	4	8.0	12.5	*53			5.0	7.5	32	5	2	3.5	7.5	27	2	2	2.0	3.0
05	157	4	4	9.0	14.0	128	8	4	9.5	15.0	102	5	4	*6.0	*8.5	79	16	8	4.0	6.5	52	18	8	9.0	14.0	51	6	4	4.5	8.0	31	5	2	2.0	3.0	27	2	2	2.0	3.0
06	157	4	5	9.5	14.0	128	5	6	*9.0	*13.0	98	9	8	*6.0	*9.0	77	8	7	*3.0	*5.0	52	16	7			*51			5.5	7.5	33	4	2	5.5	8.0	27	6	0	1.5	3.0
07	155	4	4	9.5	13.0	122	7	6	*9.0	*13.0	88	11	11	*3.0	*5.0	71	12	6	*2.5	*5.0	51	8	7	9.5	12.5	50	7	9	4.0	5.5	39	2	4	3.0	5.0	29	9	3	2.5	3.5
08	152	4	3	*8.0	*11.0	116	8	7	9.0	13.5	86	8	8	*5.0	*8.0	67	6	2	*2.0	*3.5	43	16	8	9.0	13.0	*39			9.5	14.5	*36			3.0	6.5	*29			2.5	4.0
09	151	6	2	8.5	11.5	108	16	6	13.0	17.0	84	11	6	*10.5	*15.0	67	4	2	*1.0	*2.5	42	16	8	10.0	14.0	*32			9.0	14.5	*34			5.5	11.5	27	6	0	3.0	5.0
10	151	5	2	9.0	12.5	108	12	7	*14.0	*18.0	86	10	4	*7.5	*11.5	67	3	3	2.0	3.5	40	20	6	6.5	10.0	*33			10.5	14.0	*41			7.0	7.5	27	4	2	3.5	5.5
11	153	5	4	9.0	13.0	108	17	4	*13.5	*18.0	85	9	5	*5.0	*10.5	67	11	5	*2.0	*3.5	43	20	4	4.5	7.0	33	12	6	9.0	15.5	*47			9.0	11.5	30	9	5	3.0	5.0
12	151	5	3	10.0	14.0	110	14	8	*12.0	*17.5	88	8	8	*4.0	*9.0	66	9	4	2.0	3.5	41	16	6	4.5	7.0	*31			9.0	14.0	*37			7.0	12.0	31	5	4	5.5	9.0
13	151	5	4	10.0	14.5	112	8	6	13.5	19.0	90	4	10	*3.0	*5.5	67	6	5	*1.5	*2.5	43	17	8	9.5	12.0	32	20	6	5.5	11.5	33	13	4	6.0	9.5	29	6	4	4.5	6.5
14	151	2	2	*9.0	*13.0	113	12	9	*9.0	*14.0	*86			*4.0	*9.0	*67			*2.0	*3.5	42	34	4	4.5	7.5	*29			5.5	8.5	*31			8.0	12.5	*29			4.0	6.5
15	*153			*10.0	*14.0	*112			*15.0	*21.0	*87			*5.0	*10.0	68	34	5	*1.5	*2.5	42	25	4	4.0	10.0	*31			8.0	11.5	37	18	6	7.0	10.5	29	6	2	3.5	5.0
16	155	4	2	8.0	12.0	112	28	10	12.0	16.0	*88			*10.5	*14.5	70	26	4	2.0	3.5	44	24	5	6.5	10.5	41	20	8	6.5	11.0	*41			3.0	6.5	29	7	3	3.0	5.0
17	155	3	3	7.5	12.0	114	21	8	12.0	16.5	94	19	18	9.0	12.0	77	24	6	*5.0	*8.5	48	23	7	6.0	7.5	53	17	12	5.5	9.5	44	8	7	8.0	12.5	29	6	3	5.0	6.0
18	157	0	4	7.0	11.0	118	13	7	10.5	16.5	98	14	6	*11.0	*17.0	81	18	7	*6.0	*8.5	50	26	8	7.5	13.0	57	9	12	6.0	7.0	44	8	5	4.0	4.5	31	7	4	5.0	7.5
19	157	3	2	7.0	12.0	118	10	3	10.5	15.5	98	7	7	*10.0	*15.0	79	17	6	*6.0	*8.5	52	18	11	5.5	10.0	55	10	5	5.5	8.5	43	8	5	5.0	7.0	29	6	2	3.5	5.0
20	159	2	3	7.5	11.0	124	6	4	9.5	13.5	100	6	6	*7.5	*11.0	81	7	5	6.5	10.0	52	24	6	7.0	12.0	50	19	11	6.5	9.5	43	6	4	3.5	5.0	29	4	2	3.5	4.0
21	157	4	0	8.0	12.0	126	5	3	7.0	12.0	100	5	6	*9.5	*13.5	83	9	8	*5.5	*8.5	54	18	6	6.0	9.5	51	9	6	4.0	6.0	40	5	4	3.0	5.5	27	3	2	2.0	3.5
22	157	4	2	7.0	10.5	128	3	2	6.0	11.5	102	3	8	*6.0	*9.0	83	12	10	*2.5	*4.0	54	17	5	6.5	11.0	*54			5.0	8.0	39	7	5	5.0	6.5	25	4	0	2.0	3.0
23	158	3	3	7.0	11.0	130	3	4	7.5	12.0	100	11	6	*7.0	*12.0	83	14	10	*4.5	*7.5	55	15	6	6.5	11.0	53	8	6	6.0	9.0	39	8	4	4.0	6.5	25	6	2	2.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month December 19 60

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	151	4	2	7.0	10.0	128	4	4	13.0	21.0	105	8	4	*11.0	*17.5	83	7	4	*10.0	*19.0	53	11	6	*4.5	*7.5	49	8	5	*4.5	*7.5	40	12	8	*3.0	*5.0	24	0	2	1.5	3.0
01	151	4	0	7.0	11.5	128	5	5	11.5	19.0	105	5	4	10.0	17.5	81	8	3	8.5	16.0	53	8	6	*7.5	*11.0	49	4	5	4.5	8.5	41	7	11	*3.0	*6.5	24	0	2	1.5	3.0
02	151	4	2	8.0	12.5	128	3	4	12.5	19.0	105	7	5	12.0	20.0	83	6	6	10.0	18.0	53	6	5	*5.0	*9.5	48	7	4	5.0	9.0	36	14	6	*3.0	*5.0	24	0	2	1.5	3.0
03	151	4	2	8.0	12.0	128	4	4	11.5	19.5	105	6	4	11.5	19.5	81	7	4	9.0	17.0	52	8	5	*6.0	*10.0	50	6	4	4.5	7.5	34	10	4	*3.0	*5.5	24	0	0	1.0	3.0
04	151	4	3	10.0	15.0	126	6	2	13.0	21.0	105	4	6	11.5	20.0	77	10	3	10.5	17.0	53	9	6	*11.0	*18.0	50	8	5	5.0	9.5	34	10	4	*1.5	*3.5	24	0	0	1.0	2.5
05	151	4	2	9.0	14.5	124	7	2	15.0	22.0	101	8	9	13.0	21.5	77	10	6	*6.0	*10.5	52	12	6	*11.0	*16.5	64	11	7	*7.0	*13.0	34	13	4	*3.0	*5.0	24	2	0	1.5	3.0
06	151	2	6	10.0	15.0	118	4	5	13.0	19.0	87	12	6	*12.0	*19.0	73	10	6	*10.0	*18.0	49	8	8	*3.0	*6.0	62	6	8	*8.0	*15.0	40	2	6	*5.0	*8.0	24	4	0	2.0	3.5
07	149	2	4	9.0	14.5	112	6	5	12.0	17.0	83	11	9	*9.0	*15.0	69	7	3	*8.0	*13.5	41	7	7			48	7	12	*6.0	*10.5	38	7	4	*4.0	*7.0	26	2	2	2.5	4.0
08	149	2	2	11.0	16.0	104	12	4	10.0	15.0	81	14	8	*10.5	*15.5	67	8	4	*7.0	*12.5	33	4	2	*5.0	*7.5	36	8	8	*6.5	*10.5	36	8	8	*5.0	*7.5	32	20	8	*2.0	*4.5
09	148	5	5	10.0	14.5	108	6	4	*16.0	*21.5	*79			*16.0	*21.0	*67			*7.0	*12.0	33	9	2	*4.0	*7.0	32	9	6	*7.0	*10.0	*34			*12.0	*16.5	*27			*3.0	*6.0
10	*151			*13.0	*18.0	*114			*14.5	*20.0	88	9	13	*15.5	*24.0	69	6	2	*10.0	*14.0	*32			*5.0	*7.0	30	6	6	*7.5	*10.5	32	6	8	*5.0	*8.0	38	12	15	*2.5	*5.5
11	148	3	3	13.0	18.5	112	7	6	*16.0	*22.5	87	14	16	10.0	14.5	67	10	4	*2.0	*4.5	33	8	4	*6.0	*8.0	30	5	2	*6.0	*10.0	30	12	4	*6.0	*10.0	30	24	8	2.5	5.0
12	149	2	4	*12.0	*17.0	112	8	6	*14.0	*22.0	78	17	5	*10.0	*13.0	71	4	4	5.0	10.0	33	7	4	*8.0	*11.0	29	8	3	*7.5	*11.0	28	12	6	*4.0	*6.5	30	16	7	*3.5	*5.0
13	149	2	4	11.5	16.0	112	8	6	*13.0	*20.0	78	10	9	*6.5	*9.0	71	6	4	*7.0	*12.5	33	10	2	*6.0	*8.5	30	9	3	*6.0	*9.0	30	10	8	*3.5	*5.0	34	10	10	2.5	4.5
14	149	2	2	12.0	16.5	112	7	6	11.5	17.0	79	13	7	*9.0	*14.0	71	6	6	*8.0	*13.0	32	10	2	*5.5	*8.5	34	4	6	*6.0	*8.0	34	7	5	*5.0	*7.0	28	18	2	3.0	5.0
15	149	4	2	11.0	17.0	110	7	7	*11.5	*16.0	83	10	10	5.5	10.0	70	5	5	*2.5	*5.0	33	6	3	6.0	9.0	36	10	6	*6.0	*10.0	40	6	6	*3.0	*6.0	32	16	6	2.0	4.5
16	149	4	1	10.0	14.0	108	8	6	13.0	18.0	85	16	10	*9.0	*14.0	71	13	4	*6.0	*10.0	40	9	4	8.0	10.0	54	8	12	*5.5	*12.0	44	9	4	*4.0	*6.0	30	18	4	2.0	4.0
17	151	2	4	10.0	15.0	114	10	2	14.0	20.5	91	14	6	*8.0	*12.0	85	7	8	*7.5	*14.0	45	6	4	*5.0	*8.0	54	10	4	*7.0	*13.5	50	8	10	*4.5	*7.0	28	18	2	3.0	5.0
18	151	3	2	10.5	16.0	124	3	4	11.0	18.0	98	12	7	13.0	21.5	87	9	8	8.0	13.5	47	9	6	*5.0	*8.5	56	6	5	*8.0	*13.0	47	10	5	*2.5	*4.5	29	18	5	2.5	5.0
19	152	3	5	10.5	16.5	126	6	4	12.5	20.0	99	12	4	13.0	19.0	85	9	5	*5.5	*10.0	49	11	4	*4.0	*7.0	60	6	8	*7.0	*11.5	46	8	6	3.0	6.0	26	15	2	2.0	4.0
20	153	2	3	10.5	16.0	126	8	4	11.0	19.0	103	10	10	13.0	22.0	89	4	8	*11.0	*17.5	51	11	5	*5.0	*7.5	62	9	7	*8.0	*14.0	46	7	6	*3.0	*5.5	26	9	2	1.5	3.0
21	152	3	3	9.0	14.0	126	7	2	12.0	20.5	103	9	8	12.5	20.0	89	6	6	*6.0	*12.0	53	9	8	4.0	8.5	62	12	7	*7.0	*13.5	42	10	6	4.0	6.5	24	11	2	1.5	3.0
22	151	4	2	8.0	12.0	126	8	3	12.0	19.5	104	12	5	10.5	19.0	89	10	5	*6.5	*11.5	53	10	6	*8.0	*14.0	61	11	7	*6.0	*11.0	42	12	9	*2.0	*5.0	24	9	2	1.5	3.0
23	151	4	2	8.0	12.0	126	6	2	12.0	20.5	107	8	8	12.0	20.0	91	8	8	*7.0	*12.5	53	10	6	*6.5	*10.5	54	10	8	*4.0	*7.0	42	12	9	3.0	6.0	24	10	2	1.5	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month January 19 61

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	148	5	7	*11.5	*16.0	128	4	6	*12.0	*22.0	103	8	4	12.5	21.0	80	10	6	*13.0	*20.0	49	10	6	8.0	12.0	49	6	4	6.0	9.0	37	10	4	1.5	2.0	24	2	2	1.5	3.0
01	149	4	6	*10.5	*16.0	126	6	4	*14.0	*21.0	103	8	8	12.5	21.0	78	11	4	13.0	20.0	49	10	8	7.0	10.5	49	6	5	5.0	8.0	36	12	5	3.5	5.5	24	2	2	1.0	3.0
02	147	8	6	*12.0	*18.0	126	9	5	*17.0	*24.0	103	11	10	15.0	21.0	78	10	6	*12.0	*20.0	50	7	9	6.0	11.0	49	5	7	6.0	10.0	35	14	7	5.0	6.5	24	0	1	2.0	3.0
03	151	4	8	*9.0	*14.0	126	6	4	*12.5	*20.0	103	6	10	12.5	21.0	78	10	8	*15.0	*22.0	49	10	8	5.5	10.0	47	6	3	7.0	10.5	33	9	4	6.0	7.5	24	1	1	1.0	2.5
04	149	5	8	*9.5	*14.5	124	6	4	*11.0	*17.5	100	12	7	11.0	19.0	76	14	8	*11.5	*23.0	50	7	8	7.0	11.5	47	4	4	5.5	9.0	31	6	2	3.5	4.0	24	2	0	1.5	2.5
05	149	6	6	*13.5	*18.0	124	8	4	*15.0	*22.0	97	14	4	10.5	19.0	78	10	8	*13.0	*18.0	49	16	8	7.5	10.5	63	5	6	7.5	12.5	31	4	2	3.5	4.0	24	2	0	1.0	3.0
06	149	4	8	*7.0	*15.0	120	10	8	7.5	12.5	87	12	4	17.5	22.5	76	10	8	*15.5	*19.5	45	8	4	5.0	7.5	59	10	6	11.0	16.5	33	7	2	1.5	3.0	24	2	0	2.0	3.5
07	145	6	4	*9.5	*14.5	115	5	9	*13.0	*20.0	77	15	6	7.0	11.0	68	6	2	*13.5	*14.5	42	8	5	6.5	9.5	52	9	7	9.5	14.5	39	10	6	4.5	10.0	24	2	0	2.5	3.5
08	147	4	6	*11.0	*16.0	108	8	6	*12.0	*17.0	79	18	8	19.5	26.0	70	2	4	*9.0	*15.5	34	7	3	8.5	14.0	37	6	6	6.0	8.5	35	6	4	6.0	8.0	26	2	2	5.5	8.5
09	149	5	8	*14.5	*20.0	105	20	5	*20.0	*30.0	*74					*67					34	7	3	6.0	10.0	31	11	2	7.0	10.0	*32					*32				
10	*141					*103					*73			5.0	8.5	68	6	2	*3.5	*5.5	*35					*29					*31					36	13	12	2.0	3.5
11	145	7	4	*12.5	*17.0	108	8	6	*15.0	*24.0	75	13	8	14.0	20.0	66	9	3	*13.0	*18.0	33	5	2	4.0	6.0	29	8	2	5.0	8.0	29	6	2	4.0	7.0	34	10	10	6.0	9.0
12	145	4	4	*15.0	*21.0	108	9	6	*16.0	*22.0	75	12	8	18.0	22.5	72	2	6	*7.0	*11.5	35	8	6	7.0	10.0	29	12	2	4.0	7.5	29	6	4	3.5	7.5	29	16	5	5.5	7.5
13	145	6	4	*15.0	*21.0	108	7	6	*15.0	*22.0	77	13	10	9.0	16.0	68	6	2	*5.0	*9.0	35	8	6	5.0	7.5	31	10	4	5.0	7.5	30	5	3	9.0	11.5	28	16	4	2.0	5.0
14	145	6	4	*12.5	*19.0	108	10	6	*18.5	*23.5	71	20	4	12.0	20.0	72	6	4	*8.5	*13.5	34	7	3	5.5	7.5	31	8	2	5.5	8.5	35	6	8	4.0	6.5	28	16	4	3.0	5.5
15	147	4	4	*9.5	*15.0	106	10	4	*18.0	*22.0	80	13	13	8.5	15.0	72	6	6	*4.5	*8.5	35	10	6	5.5	8.0	35	8	4	4.0	6.5	39	8	6	5.0	9.0	28	12	4	5.0	8.0
16	145	8	2	*12.0	*17.5	106	13	4	*13.0	*17.0	79	20	8	14.0	22.5	72	10	6	*16.0	*23.0	37	10	2	9.5	13.5	47	10	6	8.5	14.0	43	6	8	6.0	10.0	28	14	4	3.0	5.0
17	147	6	4	*9.0	*14.0	112	10	3	*15.0	*21.0	85	10	6	10.5	15.5	86	7	9	*10.0	*18.0	42	9	5	7.0	10.0	55	4	8	6.0	9.0	43	13	5	7.0	10.0	26	6	2	1.5	3.0
18	151	6	8	*11.0	*16.0	120	11	6	*15.0	*21.5	93	16	10	18.0	24.0	85	12	8	*8.0	*11.0	47	10	6	7.0	9.5	59	6	6	9.0	14.0	47	8	8	6.0	9.5	26	10	4	1.5	3.5
19	151	4	7	10.5	17.0	122	8	4	13.5	20.0	95	14	6	15.0	21.5	86	9	6	*10.0	*14.0	49	11	9	7.5	9.5	62	6	11	7.5	12.0	46	7	9	7.5	11.0	24	10	1	3.0	5.5
20	151	4	6	11.0	17.0	122	7	0	*14.5	*22.0	97	8	4	14.5	21.0	86	8	5	*14.0	*12.5	51	9	4	8.0	12.0	61	13	6	8.0	14.0	45	6	11	4.5	7.5	24	7	2	2.0	4.0
21	149	7	6	*12.0	*17.0	124	8	2	12.0	20.5	101	8	8	14.5	22.0	88	9	8	*13.0	*16.0	51	10	10	6.0	8.5	65	10	10	8.5	14.0	41	9	6	5.5	9.0	24	2	2	1.5	3.0
22	149	5	7	9.5	14.0	124	8	2	*13.0	*21.0	103	6	8	9.5	18.5	90	7	6	*7.5	*16.5	51	6	6	6.0	7.0	61	7	6	10.5	14.0	39	10	4	4.0	8.0	24	2	2	1.5	2.5
23	151	4	8	*11.0	*16.0	127	5	5	*14.5	*22.0	103	10	8	11.5	22.0	92	7	8	*10.0	*19.0	51	8	8	6.0	10.0	51	13	4	2.0	4.5	37	10	5	4.0	6.5	24	2	2	2.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan   Lat. 35.6 N Long. 140.5 E   Month February 19 61

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.545 Fam	.545 Du	.545 Dℓ	.545 Vdm	.545 Ldm
00	152	3	3	10.5	15.5	128	4	4	12.5	19.5	106	7	6	12.0	18.0	80	10	2	9.0	16.0
01	152	2	3	10.0	15	129	1	5	11.0	17.0	106	6	5	11.5	18.0	80	12	2	9.0	15.0
02	152	4	3	11.0	16.0	127	5	4	12.0	17.5	104	8	6	13.0	20.0	80	12	4	8.5	16.0
03	152	4	2	10.0	15.0	126	6	4	13.0	19.0	104	8	6	13.5	20.0	82	8	8	*11.0	*18.0
04	152	4	4	11.0	16.0	128	4	6	13.0	19.0	104	6	8	*13.0	*20.0	80	10	8	*13.0	*18.5
05	152	4	2	10.5	15.5	126	4	4	11.0	18.0	100	8	8	11.5	19.0	79	7	5	*14.0	*19.0
06	152	4	4	11.0	16.5	118	8	4	14.0	20.0	90	10	10	*12.0	*20.0	76	4	8	*8.0	*12.0
07	148	4	2	11.0	16.0	114	10	8	13.0	18.0	80	14	8	*9.5	*16.0	68	4	2	*8.5	*12.0
08	148	4	2	12.0	17.0	110	8	8	12.0	15.0	84	8	10	*12.0	*18.0	68	8	6	*7.0	*11.5
09	148	4	4	13.0	19.0	108	4	5	*15.0	*18.5	78	6	6			*68			*6.5	*11.0
10	*148			*13.0	*18.0	*109			*11.0	*15.0	80	10	10			68	4	2	*6.5	*10.5
11	146	6	2	14.0	20.0	110	6	4	13.5	18.0	78	12	7	*14.5	*17.0	66	6	4	*6.0	*9.0
12	147	5	3	14.0	19.5	112	2	4	13.0	17.0	78	12	6	*13.0	*16.5	72	6	6	*5.5	*8.5
13	148	4	3	13.0	18.5	114	4	6	*15.5	*19.5	79	17	9	*16.0	*19.5	68	5	4	*6.5	*10.5
14	149	3	1	12.5	18.5	112	6	4	12.0	17.0	78	12	6	*9.0	*12.0	68	8	2	*2.5	*4.0
15	150	2	2	11.0	17.0	112	6	4	11.5	17.0	84	10	10	*9.5	*12.5	66	16	4	*7.0	*11.0
16	150	4	2	11.0	17.0	110	8	4	*15.0	*18.0	85	22	9	*7.5	*14.0	70	12	4	*6.5	*10.0
17	150	4	2	10.0	15.5	115	13	9	14.0	19.0	89	11	10	*16.5	*21.5	84	10	8	*10.0	*19.0
18	150	4	2	10.5	17.0	118	8	4	12.0	18.5	96	12	7	13.0	20.0	84	8	6	*8.0	*12.5
19	152	2	2	11.5	17.5	124	6	4	12.0	19.0	97	13	5	*13.5	*20.0	88	4	8	*5.0	*8.0
20	152	2	4	11.0	17.0	125	5	5	11.0	18.0	100	10	8	9.5	15.5	89	6	8	*10.0	*14.0
21	150	4	2	11.0	16.0	126	6	4	11.0	17.5	102	7	7	12.0	18.5	90	8	8	*4.0	*6.5
22	152	2	3	10.0	15.0	128	6	6	12.0	18.5	102	10	4	11.0	18.0	94	9	10	*8.0	*11.0
23	151	3	3	11.0	15.0	128	4	4	11.5	18.0	104	12	5	12.0	18.0	94	6	9	*9.5	*16.0

Hour (LST)	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm*	2.5 Ldm*	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	51	10	4	8.5	13.0	55	5	5	6.5	9.5	41	6	6	2.5	5.0	*24			1.0	2.5
01	53	9	5	7.0	10.0	56	5	5	6.5	10.0	41	11	6	5.0	7.0	24	1	0	0.5	2.0
02	54	9	6	7.5	11.5	55	9	4	*5.0	*8.5	38	10	5	*3.5	*5.0	26	0	2	1.0	2.0
03	51	11	4	4.0	8.0	54	10	5	*5.0	*8.0	39	6	6	*4.0	*5.0	26	0	2	2.0	3.5
04	53	8	6	8.0	13.0	51	16	4	4.5	7.5	33	9	2	*2.0	*3.5	26	0	2	1.5	3.0
05	52	12	5	10.0	16.0	68	9	12	*9.0	*14.0	33	13	2	2.0	3.5	26	0	2	2.0	3.0
06	49	9	3	5.5	9.0	59	8	6	*7.0	*12.0	39	4	6	*4.0	*6.0	26	1	2	1.5	3.0
07	39	6	2	9.0	13.5	47	8	4	*3.0	*5.0	39	5	2	4.5	6.0	26	2	2	2.0	3.5
08	35	5	2	8.0	11.0	37	8	2	*6.0	*9.0	37	4	4	*6.5	*10.0	26	3	2	1.5	3.5
09	35	2	2	4.5	7.0	33	6	4	*7.5	*9.0	35	5	3			*26			*1.0	*3.0
10	*35					*31			*3.5	*6.0	33	10	4	*7.0	*12.5	26	10	2	*2.5	*4.0
11	33	8	2	5.0	7.0	31	8	2	*6.0	*8.0	33	18	4			26	8	2	*3.0	*4.0
12	35	8	4			33	10	4	*5.0	*9.0	31	10	4	*3.5	*6.0	26	2	2	*2.0	*4.0
13	37	8	4	5.5	10.0	35	8	5	*5.0	*7.0	33	6	4			26	2	2	2.5	4.0
14	36	8	6	4.5	7.0	35	8	5	*4.5	*8.0	35	5	6	*2.0	*3.5	26	6	2	2.5	4.0
15	35	8	2	4.0	6.5	37	8	4	*5.0	*7.0	39	3	2	*5.0	*7.0	26	5	2	*2.5	*4.0
16	39	7	2	6.0	9.0	43	11	4	*10.0	*14.5	41	6	2	*2.0	*4.5	28	9	2	2.0	4.0
17	44	14	7	8.0	11.5	49	13	4	*4.5	*7.0	48	3	3	*2.5	*3.5	26	3	2	2.0	4.0
18	47	13	4	11.0	15.0	54	13	5	*5.0	*8.0	48	3	5	*4.0	*6.5	24	2	0	1.5	3.5
19	50	13	5	6.0	10.0	67	6	5	*9.5	*14.5	47	5	5	*3.0	*5.0	24	1	2	1.5	3.0
20	53	10	7	7.5	11.5	69	6	8			47	5	7	*4.5	*7.0	24	2	0	1.5	3.0
21	53	11	4	7.5	11.0	71	4	6			43	9	7	*4.0	*6.5	24	0	2	1.5	3.0
22	53	7	4	7.5	11.0	64	11	12	*5.0	*9.0	45	7	9	*1.5	*4.0	*24			1.5	3.0
23	52	13	4	8.0	13.0	56	16	5	6.0	10.0	41	10	6	*3.0	*6.0	*24			1.5	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
$D_ℓ$ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa   Lat. 25.8 S   Long. 28.3 E   Month October   1960

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	128	8	12			116	8	16			105	9	11			95	8	13		
01	128	8	11			112	12	12			104	10	14			93	10	13		
02	127	11	9			112	12	13			102	10	12			89	12	8		
03	126	11	8			112	12	13			102	8	14			91	10	12		
04	128	9	11			110	11	13			98	15	12			87	12	12		
05	120	10	6			102	11	9			84	17	13			67	13	13		
06	116	14	10			96	17	22			72	24	10			55	24	4		
07	110	18	6			98	15	29			74	24	12			55	20	4		
08	*114					85	30	12			74	27	12			*55				
09	*112					86	26	12			*69					53	14	2		
10	*116					92	23	18			69	35	7			*53				
11	*116					89	28	15			74	31	12			53	31	2		
12	116	18	10			95	28	17			74	32	12			56	32	5		
13	*119					99	24	16			75	32	13			71	17	20		
14	*126					114	9	31			98	10	36			81	11	30		
15	*134					117	9	34			101	14	38			83	16	32		
16	*135					118	13	36			102	17	39			83	20	32		
17	*136					120	10	34			101	20	39			87	20	33		
18	136	13	24			120	14	29			106	15	26			91	16	16		
19	*135					118	15	22			104	22	19			93	17	11		
20	132	14	13			118	16	17			105	14	16			97	11	16		
21	*132					120	10	20			108	13	17			99	8	16		
22	133	9	13			120	10	21			108	12	12			97	11	11		
23	128					120	8	19			106	8	11			93	10	11		

Hour (LST)	2.5					5					10					20				
	Fam*	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	64					*51					*40					*21				
01	62					*59					*42					*21				
02	60					*56					*39					*21				
03	60					*51					*39					*19				
04	60					*50					*35					*19				
05	56					*51					*40					*19				
06	43					*38					*37					*23				
07	36					*33					*33					*21				
08	36					*27					*29					*23				
09	38					*27					*27					*20				
10	38					*25					*31					*19				
11	37					*25					*29					*19				
12	40					*25					*28					19	6	2		
13	38					23	17	6			31	10	10			22	5	3		
14	38					28	13	5			*33					25	0	4		
15	46					*38					*43					*27				
16	48					*46					43	8	14			29	4	6		
17	58					54	9	26			47	6	12			29	2	4		
18	61					58	9	18			*47					*29				
19	69					59	10	20			47	8	14			29	2	4		
20	68					61	10	18			*47					29	2	4		
21	67					*61					*43					*25				
22	66					*59					*39					*23				
23	65					*58					*39					*23				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8S Long. 28.3 E Month November 19 60

Frequency (Mc)

Hour (LST)	.051 Fam	Du	Dℓ	Vdm	Ldm	.113 Fam	Du	Dℓ	Vdm	Ldm	.246 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	130	8	4			116	9	3			101	10	6			91	10	5		
01	130	7	3			116	9	5			99	10	4			91	7	4		
02	131	7	6			114	10	4			99	11	4			89	10	3		
03	130	8	6			116	7	6			99	10	4			89	10	6		
04	128	10	6			115	5	7			98	7	5			83	8	6		
05	121	11	7			104	14	10			81	21	10			57	21	4		
06	116	16	6			96	19	17			69	30	4			53	27	0		
07	*112					88	26	14			65	33	0			53	24	0		
08	*116					*90					*65					*53				
09	*114					*100					*66					*53				
10	118	8	14			96	8	16			*73					*54				
11	124	12	12			*105					83	30	14			56	41	3		
12	128	11	10			109	18	13			95	19	24			71	28	18		
13	134	6	9			119	15	17			101	20	23			81	28	25		
14	140	7	13			119	20	10			104	23	23			87	26	29		
15	138	19	11			120	17	13			108	16	27			87	24	28		
16	140	9	11			122	20	15			107	24	25			93	25	34		
17	140	8	13			113	15	16			109	17	31			89	22	30		
18	140	7	12			121	14	16			106	15	24			87	19	14		
19	139	4	10			121	7	8			108	10	10			93	11	6		
20	138	4	8			121	7	10			105	11	7			93	9	6		
21	136	8	7			118	13	7			104	13	10			93	8	5		
22	135	8	6			116	16	5			103	13	9			93	11	4		
23	132	7	4			115	12	4			101	15	6			93	9	7		

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	67	4	6			54	2	4			39	0	4			19	4	4		
01	65	4	6			52	6	2			38	3	5			19	4	4		
02	65	5	8			52	6	4			37	8	4			19	5	4		
03	63	4	6			52	4	4			37	4	8			17	4	2		
04	61	6	10			52	4	6			33	6	4			17	2	2		
05	53	6	18			50	2	4			35	4	4			17	2	2		
06	35	14	4			36	10	13			33	4	8			19	2	4		
07	31	12	2			26	18	6			25	8	7			18	3	3		
08	29	10	2			*24					*19					*21				
09	*31					*22					*19					*17				
10	31	2	2			*24					*21					*19				
11	33	8	4			*24					*23					*17				
12	33	29	4			24	14	4			27	8	10			19	11	2		
13	38	28	9			29	34	7			31	18	8			23	13	5		
14	47	27	18			36	30	14			33	20	7			25	12	4		
15	51	34	22			42	22	18			37	12	12			25	13	10		
16	57	25	26			44	26	17			39	24	10			27	9	4		
17	55	30	25			48	18	14			43	8	5			27	2	3		
18	61	15	20			54	8	6			43	6	4			25	4	5		
19	67	7	10			58	3	8			45	4	4			25	4	7		
20	69	7	5			58	5	7			43	4	7			25	4	9		
21	67	9	7			56	6	5			41	3	5			21	4	5		
22	67	7	8			56	5	10			39	4	4			21	2	5		
23	65	7	8			54	4	8			37	4	4			18	5	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month December 19 60

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	140	11	11			123	16	11			109	19	12			95	21	10			70	8	10			56	15	8			42	14	5			20	14	2		
01	136	15	5			123	13	13			107	13	11			97	9	12			68	14	11			55	9	5			39	8	2			18	10	2		
02	136	13	8			123	9	13			107	13	12			93	10	8			68	4	14			55	5	7			39	4	4			18	6	2		
03	136	8	10			121	10	14			107	11	11			91	11	10			68	2	13			54	4	6			37	4	6			18	4	2		
04	132	11	8			117	11	10			101	15	10			85	15	10			66	6	11			*51					35	6	8			18	2	2		
05	126	15	8			107	18	11			83	24	10			57	34	4			62	4	16			50	8	8			*35					*18				
06	124	11	7			105	15	18			79	21	14			55	28	2			46	10	10			42	6	10			*36					19	11	1		
07	122	18	12			103	22	18			77	28	12			55	35	2			37	20	7			30	12	8			33	2	6			20	4	2		
08	120	26	6			100	33	13			75	42	10			55	44	2			36	10	6			*28					*31					*19				
09	122	16	10			101	32	15			74	44	8			55	30	2			*38					*23					*27					*20				
10	122	16	7			101	26	10			77	40	11			55	43	2			36	8	4			23	10	5			27	2	6			19	4	1		
11	125	15	6			105	25	10			87	31	19			69	32	16			34	10	3			24	7	6			25	10	4			20	4	2		
12	130	14	6			117	12	17			99	17	21			83	17	27			39	22	6			26	16	7			31	4	9			22	8	2		
13	136	10	8			124	7	16			111	10	29			93	11	28			48	11	14			32	10	10			31	8	6			22	6	2		
14	141	5	10			125	11	10			115	10	23			96	16	30			57	12	23			36	14	14			37	6	6			24	3	3		
15	141	7	13			133	9	16			113	10	20			95	15	19			56	14	23			41	19	1			37	6	2			24	4	2		
16	142	9	10			129	10	13			115	12	22			97	16	24			52	16	14			*41					*41					26	2	5		
17	142	9	12			129	13	14			115	14	22			97	17	31			54	17	13			50	6	7			43	4	2			26	4	5		
18	142	11	12			127	16	15			111	18	20			93	19	22			62	16	8			56	2	9			45	3	4			26	5	6		
19	142	10	13			129	8	14			117	10	17			99	13	18			70	7	7			59	3	8			*47					24	13	4		
20	140	9	8			127	11	11			115	10	14			98	9	12			72	6	6			58	4	6			45	2	2			25	13	5		
21	142	7	10			129	8	14			113	10	12			98	9	10			74	2	8			56	4	4			43	2	2			22	6	4		
22	140	9	10			127	9	11			112	11	11			97	12	5			72	4	8			56	4	5			43	4	4			20	10	2		
23	139	9	8			127	9	13			111	12	14			98	12	5			72	4	8			56	6	7			41	11	3			20	12	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month January 19 61

Frequency (Mc)

Hour (LST)	.051 F_{am}	.051 D_u	.051 D_ℓ	.051 V_{dm}	.051 L_{dm}	.113 F_{am}	.113 D_u	.113 D_ℓ	.113 V_{dm}	.113 L_{dm}	.246 F_{am}	.246 D_u	.246 D_ℓ	.246 V_{dm}	.246 L_{dm}	.545 F_{am}	.545 D_u	.545 D_ℓ	.545 V_{dm}	.545 L_{dm}
00	133	13	7			115	11	11			101	14	8			93	13	10		
01	133	12	6			114	13	9			103	12	8			95	9	11		
02	134	7	8			115	10	8			103	9	8			91	14	8		
03	133	7	8			115	6	10			105	6	9			91	13	9		
04	132	9	10			113	8	8			91	12	6			87	13	11		
05	129	11	11			105	18	8			85	26	13			65	29	8		
06	123	14	5			93	27	14			71	36	4			59	26	2		
07	121	17	12			94	25	18			69	36	2			59	26	2		
08	120	16	9			92	26	18			69	32	2			59	20	2		
09	116	16	6			84	30	9			69	31	2			57	28	0		
10	117	18	8			89	29	11			79	27	12			64	25	7		
11	127	12	10			107	17	21			91	24	24			67	31	10		
12	132	11	9			112	15	19			99	19	32			71	33	14		
13	136	9	7			115	11	18			98	22	25			79	25	22		
14	135	11	7			117	14	18			103	16	28			85	20	28		
15	138	9	11			119	11	20			105	15	27			85	20	28		
16	137	10	12			119	12	19			107	15	30			88	19	31		
17	140	10	15			121	11	20			105	18	30			87	22	30		
18	137	14	10			119	14	19			106	15	22			89	20	21		
19	138	12	11			118	15	12			105	15	11			93	13	15		
20	136	11	7			119	10	11			107	10	10			94	9	10		
21	135	10	6			116	12	17			103	12	6			93	12	6		
22	135	6	8			114	12	6			101	17	5			93	12	8		
23	134	11	7			113	13	8			105	10	11			97	8	14		

Hour (LST)	2.5 F_{am}	2.5 D_u	2.5 D_ℓ	2.5 V_{dm}	2.5 L_{dm}	5 F_{am}	5 D_u	5 D_ℓ	5 V_{dm}	5 L_{dm}	10 F_{am}	10 D_u	10 D_ℓ	10 V_{dm}	10 L_{dm}	20 F_{am}	20 D_u	20 D_ℓ	20 V_{dm}	20 L_{dm}
00	62	8	8			52	6	6			41	9	6			18	4	0		
01	62	8	8			53	5	7			41	4	8			18	9	0		
02	62	6	8			52	4	8			39	4	8			18	3	0		
03	60	10	6			52	6	10			37	4	8			18	2	1		
04	60	8	6			52	6	10			37	4	11			18	2	2		
05	57	7	5			52	4	12			37	6	12			18	5	2		
06	44	14	10			38	13	4			37	4	6			18	4	1		
07	36	17	4			30	17	6			33	6	4			20	4	2		
08	34	10	4			26	18	4			29	6	4			20	2	2		
09	34	4	4			24	12	4			27	7	8			20	2	2		
10	34	13	4			24	13	4			25	10	4			20	5	2		
11	37	23	7			24	12	5			27	8	8			20	2	2		
12	37	30	7			27	21	7			31	8	8			20	5	2		
13	40	24	8			26	24	6			35	6	10			22	5	2		
14	40	26	8			25	25	3			36	7	7			22	6	0		
15	48	20	16			36	18	14			39	4	8			24	5	2		
16	51	27	19			44	10	18			41	6	6			24	6	2		
17	51	19	17			46	14	18			45	4	10			24	9	2		
18	56	16	8			57	7	13			45	2	8			24	5	2		
19	63	9	11			53	9	9			47	3	6			23	3	2		
20	66	8	14			55	7	7			45	4	6			22	3	2		
21	64	8	12			54	6	6			43	8	6			20	4	2		
22	64	8	10			54	6	6			42	7	5			20	5	2		
23	63	7	9			53	7	7			41	4	6			18	4	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month February 1961

Hour (LST)	Frequency (Mc)																																	
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	133	4	8			116	8	10			103	6	12			91	8	10			53	4	4			46	8	6			32	6	4			17	4	0		
01	131	6	8			114	10	8			101	8	12			91	6	11			51	8	4			44	6	4			32	2	2			17	2	0		
02	131	6	8			113	9	8			99	10	10			87	10	8			53	4	6			44	6	3			32	4	6			17	2	0		
03	131	4	9			114	6	10			97	8	6			87	8	8			53	2	6			44	4	2			30	6	4			17	4	0		
04	129	6	8			112	8	8			97	8	9			87	6	12			51	4	4			44	4	4			30	6	6			17	6	0		
05	127	4	8			108	6	8			85	10	8			67	14	10			51	4	6			42	2	2			30	4	4			17	2	0		
06	119	10	7			92	20	8			65	24	0			55	10	0			41	6	6			38	4	6			30	4	2			19	2	2		
07	117	8	8			90	18	12			65	20	0			55	6	0			33	4	4			28	8	6			28	6	4			19	4	2		
08	113	7	6			85	18	9			65	16	0			57	2	2			31	6	4			22	10	2			23	3	3			*19				
09	*114					84	20	6			66	17	1			55	3	0			*31					20	5	2			20	9	2			19	8	2		
10	113	8	8			89	17	9			67	8	2			59	6	2			33	4	6			20	5	2			22	4	6			19	4	2		
11	119	8	12			94	18	6			73	22	8			59	18	4			31	4	2			20	8	2			22	6	4			19	4	2		
12	123	12	6			108	12	16			82	23	15			60	33	5			34	15	5			22	16	4			26	6	6			21	4	4		
13	131	8	9			112	16	16			93	21	26			79	20	24			36	19	7			26	18	8			28	8	6			23	2	4		
14	135	8	10			116	16	14			99	18	24			87	14	32			39	20	10			30	14	10			30	6	4			23	4	2		
15	138	7	13			120	10	16			104	11	30			88	15	31			48	13	21			38	8	16			33	5	3			24	3	3		
16	139	10	12			119	17	12			103	16	24			89	10	30			49	14	20			39	5	11			34	4	2			25	5	3		
17	135	13	8			125	11	19			106	15	29			91	20	32			49	17	14			42	12	8			36	6	2			25	8	4		
18	138	8	9			122	10	15			104	13	17			89	15	12			53	10	8			46	5	5			38	4	2			25	6	4		
19	135	10	8			120	12	10			103	12	8			93	10	8			56	9	4			47	9	4			38	2	2			23	4	4		
20	135	6	8			120	8	10			103	10	10			95	8	8			57	6	4			46	4	3			36	4	0			23	2	4		
21	133	6	6			118	8	8			101	10	10			93	10	6			55	6	4			46	6	4			35	3	2			20	4	3		
22	134	5	8			117	7	9			102	9	9			95	4	10			55	4	6			46	6	4			34	2	2			19	2	2		
23	133	4	8			118	6	12			103	6	12			95	4	10			55	4	6			44	6	4			34	2	4			19	0	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month December 1960

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	152	5	4			127	4	4			110	10	8			86	6	6		
01	152	4	5			127	5	4			114	4	6			84	6	6		
02	162	3	5			127	5	4			*117					82	4	8		
03	152	2	2			127	4	4			114	6	12			82	7	4		
04	154	2	4			129	3	5			*106					80	10	4		
05	154	0	3			127	3	3			*113					80	5	8		
06	154	0	4			125	4	6			111	8	10			76	4	10		
07	152	2	7			119	4	3			*96					66	9	3		
08	150	2	2			113	8	4			*90					66	11	4		
09	*148					*111					*99					*66				
10	*148					*111					*92					*68				
11	*150					*113					*94					64	5	4		
12	150	3	6			114	8	3			96	4	6			70	5	9		
13	150	4	3			114	6	4			96	6	6			68	6	10		
14	150	4	4			113	7	3			90	17	6			65	7	7		
15	150	4	4			113	12	6			92	8	6			64	11	6		
16	150	4	2			113	7	6			96	8	6			60	10	5		
17	150	4	4			117	13	4			102	8	6			78	10	6		
18	151	3	5			121	6	5			104	8	8			80	10	8		
19	152	4	4			123	6	4			*111					82	8	6		
20	152	3	5			125	4	6			109	7	13			83	8	5		
21	154	2	4			125	4	5			108	8	6			85	8	9		
22	152	3	6			127	5	4			108	10	4			82	11	4		
23	154	2	2			127	5	4			110	8	8			84	6	6		

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	54	6	8			53	6	18			38	6	6			24	2	1		
01	54	8	6			53	3	16			38	5	7			23	3	2		
02	54	9	11			54	4	13			36	6	6			25	0	4		
03	52	8	11			53	7	6			36	5	8			24	1	1		
04	54	9	11			53	6	5			34	8	6			23	2	0		
05	52	8	10			54	3	16			33	4	4			25	0	2		
06	52	10	7			53	5	8			36	7	7			25	5	2		
07	44	13	8			51	4	16			38	4	5			27	2	2		
08	40	15	8			43	8	11			38	4	6			31	5	5		
09	*37					*37					*40					*28				
10	*36					*29					*32					*27				
11	*34					*29					32	4	6			*29				
12	34	2	4			31	7	7			29	5	4			27	4	4		
13	32	8	3			29	6	9			30	6	6			*29				
14	32	5	2			29	3	5			34	4	6			29	12	4		
15	*34					35	10	6			39	11	7			29	8	4		
16	38	6	5			42	9	8			44	8	4			29	10	4		
17	46	8	8			49	7	14			46	10	8			29	7	4		
18	54	7	9			55	6	10			46	6	7			27	2	4		
19	54	11	7			55	7	6			46	4	10			25	4	4		
20	55	9	5			57	5	8			43	11	6			24	4	3		
21	56	6	6			55	4	6			42	5	9			25	3	4		
22	56	8	7			54	5	5			38	6	6			25	0	4		
23	56	10	7			53	10	6			38	8	5			23	2	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month January 19 61

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	152	2	4			124	3	15			112	5	6			80	8	4			54	6	6			52	6	6			38	2	4			24	0	0		
01	152	2	4			124	4	14			112	6	8			80	6	4			54	4	8			50	6	4			37	5	5			24	0	0		
02	151	3	3			125	2	19			108	6	34			80	8	20			52	6	6			52	5	4			36	4	4			24	0	0		
03	150	4	2			124	2	11			110	6	36			80	6	21			52	7	6			54	4	6			36	4	5			24	0	0		
04	152	4	6			124	4	18			110	8	36			78	8	18			54	6	8			52	6	4			36	6	7			24	2	0		
05	152	4	4			124	5	18			110	7	22			76	8	16			54	4	6			55	7	6			35	8	5			24	2	0		
06	154	2	4			120	5	14			107	9	19			66	14	4			52	7	6			54	6	12			35	10	5			26	0	2		
07	150	4	4			116	8	10			88	6	14			60	7	6			48	8	3			50	6	3			38	6	3			28	2	2		
08	148	4	4			108	8	7			87	7	12			63	5	5			40	9	7			42	6	5			38	4	6			28	6	2		
09	148	4	2			*108					92	5	8			62	4	4			36	10	4			*36					36	13	8			28	4	2		
10	148	4	4			106	6	4			92	8	4			60	4	7			34	13	2			31	5	5			34	16	8			28	6	2		
11	148	4	4			110	5	7			90	10	13			60	5	6			35	6	4			31	5	8			32	10	8			28	5	2		
12	150	3	7			110	6	6			92	9	7			62	6	7			32	10	0			30	7	7			32	8	8			26	4	0		
13	148	5	3			108	8	4			92	10	8			60	6	4			32	14	2			30	8	8			30	8	6			28	2	4		
14	150	2	4			112	4	8			90	8	7			56	5	2			32	11	4			32	4	10			30	10	6			30	4	4		
15	150	2	6			108	7	4			90	8	7			59	3	6			34	10	4			32	4	8			38	22	12			30	0	2		
16	149	3	7			106	7	4			92	4	9			64	6	4			38	9	5			38	4	12			42	20	10			30	2	4		
17	148	4	2			112	7	9			100	4	8			72	4	7			42	4	6			48	9	8			42	28	6			26	6	2		
18	149	3	3			118	6	9			102	8	8			76	6	2			49	7	5			53	9	8			40	20	2			26	2	2		
19	150	4	2			120	4	10			104	6	8			80	4	7			52	8	6			52	7	4			40	14	4			24	2	0		
20	152	3	4			118	5	9			105	9	11			80	4	4			53	9	5			52	8	6			40	6	6			24	2	0		
21	152	2	2			120	5	10			106	8	6			80	4	4			54	6	5			51	13	5			39	9	5			24	2	2		
22	152	3	3			122	4	5			108	7	10			80	6	4			56	8	8			52	6	6			40	3	4			24	0	0		
23	152	2	4			122	8	10			110	4	13			82	4	10			56	8	8			52	5	6			38	6	2			24	0	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month February 19 61

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					m 10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	2	4			*122					*114					*85					56	8	4			56	4	4			42	6	6			24	2	0		
01	154	2	5			*116					*114					*85					58	6	8			58	2	6			42	4	10			24	2	0		
02	154	2	5			*116					*111					*84					58	6	6			56	6	4			40	6	8			24	0	0		
03	154	3	4			*122					*114					*84					58	8	6			56	4	6			41	5	5			24	2	0		
04	154	2	4			*120					*112					*80					58	8	6			54	8	3			42	4	10			26	0	2		
05	154	4	4			*123					*108					*77					58	10	6			56	4	6			38	6	8			26	0	2		
06	154	4	2			*116					*98					*68					56	8	4			55	7	7			37	9	7			26	2	2		
07	152	5	3			*111					93	7	23			62	10	9			52	14	6			54	6	6			38	7	2			28	22	4		
08	148	4	2			111	6	8			*95					*60					42	12	6			44	8	5			40	4	7			30	5	5		
09	149	7	5			*105					98	4	14			62	7	4			36	12	4			*36					39	8	8			30	5	4		
10	150	4	4			110	9	7			95	7	9			58	7	6			34	8	6			34	7	7			34	14	4			27	8	1		
11	150	4	4			112	6	10			100	2	11			56	12	4			34	4	6			32	6	4			32	16	4			28	4	4		
12	150	4	4			*112					100	4	6			62	8	9			32	16	2			32	6	4			32	14	4			29	3	3		
13	152	2	6			112	6	10			98	8	8			60	12	5			32	8	4			30	7	10			30	14	4			28	4	4		
14	150	4	4			110	6	4			94	6	10			55	9	3			34	10	4			32	2	6			32	11	8			30	7	4		
15	150	3	4			108	6	6			*95					56	6	4			34	8	4			34	6	4			35	7	7			30	3	4		
16	150	4	4			106	13	4			92	10	10			62	12	6			36	10	4			38	12	10			42	25	8			30	4	4		
17	150	4	2			108	9	6			98	8	12			*70					40	6	8			44	6	4			42	27	4			28	4	2		
18	152	2	4			*115					*106					76	8	7			50	8	10			52	6	4			44	19	6			26	6	2		
19	152	4	3			*118					104	11	9			*80					56	10	6			54	4	4			42	6	4			24	2	0		
20	154	3	5			114	14	8			*104					80	4	6			58	8	6			54	6	4			42	4	4			24	4	0		
21	154	3	4			*116					*106					*84					58	4	6			56	7	6			42	6	6			24	2	0		
22	154	4	2			*120					*108					*84					58	10	8			56	6	4			44	4	6			24	2	0		
23	154	2	2			*125					*110					*83					58	8	8			56	4	4			42	4	4			24	2	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month December 19 60

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	134	8	8	*10.0	*16.0	119	10	8	*8.0	*13.0	101	14	6	*11.0	*12.0	90	10	6	*9.5	*12.5	63	10	10	12.0	17.5	62	4	8	*7.0	*9.5	49	6	4	*10.5	*12.0	33	8	4	*5.0	*7.0
01	134	6	6	10.5	14.0	119	8	6	*7.0	*11.5	102	9	9	*9.0	*15.0	90	8	10	*8.0	*12.0	63	8	12	*7.0	*12.5	58	6	12	*9.5	*12.5	47	6	2	*8.5	*11.0	33	8	4	*7.0	*9.0
02	134	6	8	11.0	17.0	117	8	6	10.0	17.0	99	9	5	9.5	13.5	90	6	10	*7.5	*11.5	63	10	14	*10.5	*13.0	58	4	12	*8.5	*12.0	47	6	6	*8.5	*12.5	31	6	2	*4.0	*5.0
03	132	6	4	10.0	17.5	117	8	6	11.0	17.5	97	11	6	*8.0	*13.5	90	6	12	8.5	14.0	63	6	14	*12.0	*14.0	56	6	12	*9.5	*10.5	45	10	6	*11.5	*12.0	31	4	2	*5.0	*6.0
04	130	8	6	11.5	18.0	115	12	10	10.5	17.0	95	9	5	*8.5	*18.0	84	8	10	*8.5	*13.5	61	18	14	*13.0	*13.0	56	6	12	*10.5	*16.5	45	8	6	9.0	11.0	31	4	4	*3.0	*5.0
05	126	6	10	*12.5	*20.5	102	13	9	11.0	14.5	81	12	11	*6.0	*9.5	80	8	12	*5.5	*10.0	55	8	12	12.0	15.5	51	9	11	*12.5	*16.5	43	10	2	*7.5	*11.0	31	2	4	*3.0	*5.0
06	118	10	10	13.0	18.5	99	14	8	7.0	9.0	82	17	5	*6.5	*9.5	87	11	8	*3.0	*9.5	43	14	4	*6.0	*11.0	48	6	10	*10.0	*13.0	39	10	2	*8.0	*11.0	30	4	3	*3.0	*5.0
07	118	10	10	*13.0	*17.0	97	14	10	*6.0	*9.0	83	12	12	*8.0	*12.0	88	12	12	*6.0	*9.0	37	6	8	*7.5	*9.0	42	6	8	*14.0	*17.0	37	10	6	*8.5	*10.0	29	4	2	*1.5	*3.0
08	116	12	8	*12.5	*20.0	97	14	8	5.0	8.5	82	15	10	*6.5	*15.0	92	8	14			35	9	9	*8.0	*10.0	38	6	5	*10.0	*12.0	35	8	4	*6.5	*10.0	29	2	4	*3.0	*4.0
09	120	8	10	*8.0	*14.0	99	15	10	*7.5	*14.5	86	14	8	*9.0	*16.0	90	7	14			33	6	4	*8.0	*9.5	34	6	8	*9.5	*10.0	35	6	8	*8.5	*11.5	27	4	2	*2.0	*3.5
10	120	10	8	*10.0	*17.5	101	14	8	7.0	15.5	87	14	8	*9.5	*18.0	88	10	12	*9.5	*14.0	33	4	6	*7.0	*9.5	32	4	8	*10.0	*11.0	33	8	10	10.0	11.0	27	2	4	*2.5	*4.0
11	126	8	10	12.5	19.0	103	20	10	*10.0	*15.5	89	25	12	*11.5	*20.0	88	12	12	*6.0	*7.0	34	10	7	*4.0	*9.0	30	20	10	*15.5	*17.5	35	12	12	*6.0	*8.0	27	6	2	*3.5	*5.0
12	128	14	6	*11.0	*16.5	110	17	13	*9.0	*14.5	96	16	19	*12.5	*20.0	93	9	11	*5.5	*9.0	39	22	10	*6.5	*8.5	34	18	14	*11.0	*16.5	37	9	8	*10.5	*10.0	29	4	4	*4.5	*6.0
13	133	13	11	*10.0	*17.0	117	12	16	*10.5	*16.0	98	15	17	*13.0	*20.0	98	10	10	*6.5	*7.0	38	27	7	*13.5	*21.0	38	14	18	*13.0	*21.0	39	8	10	*10.0	*8.5	31	10	4	*4.0	*6.0
14	139	6	15	*10.0	*15.0	121	16	16	*13.0	*19.5	104	19	21	*13.0	*23.5	96	12	8			54	4	18	*11.0	*18.5	46	11	12	*12.0	*20.0	41	14	6	*11.5	*12.0	31	12	2	*4.0	*5.5
15	140	10	16	*10.0	*16.0	123	13	24	*12.5	*18.5	107	16	26			96	18	8	*7.0	*12.0	55	19	20	12.5	18.0	48	13	12	8.5	10.0	43	10	5	*9.5	*11.5	33	6	4	*5.5	*7.5
16	136	16	12	10.0	15.5	121	16	22	*10.0	*17.0	103	23	22	*11.0	*19.5	95	19	12	*7.0	*12.0	54	21	18	*16.0	*21.0	50	9	10	*9.0	*12.0	47	12	7	*7.5	*12.0	33	11	2	*5.5	*8.0
17	138	12	14	8.5	14.0	115	27	16	*10.5	*19.0	101	24	22	*14.0	*20.0	95	21	13	*6.0	*11.5	51	26	8	*9.5	*15.0	52	16	8	*6.0	*9.0	48	21	5	*10.0	*10.5	35	12	4	*5.0	*5.0
18	136	14	16	11.0	17.5	115	24	13	*12.0	*20.0	100	25	13	8.5	13.5	91	23	9	*6.0	*7.0	57	20	10	8.5	8.5	60	8	10	*8.0	*12.0	51	12	8	*5.0	*7.5	33	14	2	*3.5	*6.0
19	136	14	12	10.0	18.0	119	16	12	*8.5	*15.0	101	18	8	7.5	13.5	94	16	8	*6.0	*10.0	63	16	6	7.5	7.5	60	12	10	*8.0	*8.0	49	10	4	7.5	7.5	31	9	3	*2.0	*4.0
20	136	12	10	11.0	18.0	121	14	12	*6.5	*12.0	103	18	12	*7.5	*12.5	98	10	10	*4.0	*7.0	67	12	10	6.0	9.0	62	4	6	*7.5	*7.5	49	10	4	*6.0	*9.0	33	13	4	*3.0	*5.0
21	136	8	10	9.5	15.0	119	14	10	8.5	15.0	105	10	12	*11.0	*16.5	98	4	8	*7.5	*12.5	67	6	12	*9.0	*13.0	62	4	10			49	6	4	*7.5	*8.5	33	8	4	*4.0	*6.0
22	133	11	9	*10.0	*16.0	120	9	9	9.0	14.0	101	14	6	*8.0	*13.0	96	8	8	*6.0	*9.0	63	10	6	8.5	13.0	62	4	8	*6.5	*8.5	49	4	6	*7.0	*10.0	34	7	5	*5.0	*7.0
23	132	10	4	*10.0	*15.5	119	8	8	*9.5	*15.0	103	14	6	*11.0	*16.0	96	6	8			63	8	10	10.0	15.0	62	4	8	*10.0	*11.0	49	4	6	*7.0	*9.0	33	6	2	*6.5	*9.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month January 19 61

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	111	12	9	*11.0	*17.0	*95	12	8	*10.5	*14.0	79	8	9	3.5	9.5	71	9	7	*9.0	*14.5	60	10	7	4.0	8.5	*66			5.5	7.0	49	9	4	9.5	13.0	35	4	6	4.0	6.0
01	112	10	6	*11.5	*17.0	*96			*11.0	*13.5	79	8	11	5.0	11.5	70	10	7	8.5	12.5	58	12	7	2.0	7.0	*61			13.5	18.5	50	7	5	2.5	6.0	35	2	7	4.0	5.0
02	111	11	6	*13.0	*18.0	*94			*10.0	*16.5	77	11	13	*5.0	*7.5	70	10	6	*9.0	*14.0	57	11	8	*7.5	*10.0	*57			6.0	10.0	49	6	6	6.0	9.5	33	2	4	4.0	5.0
03	111	13	6	*13.5	*18.0	*95			*17.0	*22.5	77	11	16	*5.0	*9.5	68	12	8	*8.5	*12.0	58	10	9	*5.0	*8.5	*61			8.0	12.0	49	6	8	2.0	5.5	33	4	6	1.5	3.0
04	111	11	6	*14.5	*20.0	*92			*13.5	*16.0	75	12	12	*5.0	*7.5	66	12	10	*8.5	*12.5	61	7	13	*8.0	*13.0	*57			5.0	8.0	47	6	8	5.5	9.0	33	2	4	2.0	3.5
05	109	13	13	*16.0	*20.5	*83			*11.0	*14.5	71	8	12	*8.5	*8.5	58	5	8	*6.5	*10.0	57	9	11	*9.0	*12.5	*61			7.0	9.5	47	6	10	6.0	9.0	34	1	5	5.0	7.0
06	101	14	6	*13.5	*19.0	*81			*4.0	*4.0	*71			*6.0	*8.0	74	6	8	*11.0	*15.0	46	8	12	*7.5	*12.5	*52			9.5	13.0	45	8	6	7.5	10.0	34	1	6	4.5	6.5
07	97	16	6	*15.0	*19.5	*82			*9.0	*12.0	*71			*3.0	*5.0	78	6	6	*5.0	*8.0	34	10	8	*8.5	*10.0	*48			8.0	11.5	41	8	4	5.5	8.5	33	2	4	2.0	4.0
08	96	14	5	*13.0	*18.0	*81			*9.5	*10.0	69	12	8	*3.0	*5.5	78	4	10	*9.5	*15.0	32	6	4	*4.5	*6.5	*41			4.5	7.0	42	3	5	1.5	5.0	33	2	4	2.0	3.5
09	*99			*13.5	*17.5	*81			*10.5	*11.5	*72			*6.5	*8.0	76	4	4	*8.0	*11.0	*30			*5.0	*4.5	*37			7.0	10.0	*37			5.0	8.5	*33			2.0	3.0
10	99	10	10	*11.0	*18.5	*81			*4.0	*6.5	71	10	6	*4.0	*6.0	74	7	5	*3.5	*7.5	*30			*4.0	*5.0	37	4	6	12.0	15.0	38	2	6	4.0	8.0	33	2	5	2.5	4.0
11	99	12	5	11.5	17.0	83	8	8	*5.0	*7.5	71	9	11	5.5	7.0	74	4	8	*9.5	*11.5	30	13	4	*7.0	*9.5	33	19	6	6.5	10.0	37	7	5	16.0	18.5	33	3	6	3.0	5.0
12	103	12	5	12.5	16.5	85	13	9	11.5	13.0	72	11	12	*5.0	*7.0	70	14	4	*7.5	*11.0	34	20	8	*7.0	*10.5	35	16	7	5.5	8.5	39	6	4	7.5	10.0	33	3	5	4.0	6.0
13	107	11	8	12.5	18.0	88	12	5	*9.0	*12.5	76	18	17	8.0	7.5	76	9	5	*8.5	*11.5	34	24	5	*13.5	*17.5	39	16	8	6.0	11.0	41	9	4	6.0	8.5	35	4	9	4.0	5.0
14	111	9	15	13.0	17.0	93	15	17	*8.0	*10.0	80	21	21	*11.0	*11.5	77	13	7	11.0	13.0	41	26	12	*6.5	*12.0	44	24	3	6.5	11.5	45	7	5	7.0	10.0	33	11	4	5.0	7.0
15	115	13	13	13.0	15.5	*95			*7.0	*10.0	77	25	16	*7.0	*9.0	74	19	4	*8.0	*9.0	44	29	15	*14.5	*18.0	*49			11.0	14.0	49	9	7	8.0	11.5	35	13	6	5.5	7.0
16	115	14	12	11.0	16.0	96	19	14	10.0	16.5	78	19	16	10.0	13.5	78	15	9	*10.0	*12.5	48	26	14	*8.0	*11.5	52	18	9	6.0	11.5	51	13	4	8.5	13.0	35	6	6	4.5	5.5
17	110	14	10	11.0	15.0	97	16	10	*6.0	*11.5	81	15	17	*9.5	*13.5	78	11	10	9.0	15.0	52	21	11	*5.0	*8.5	58	7	11	6.5	11.0	51	6	5	10.0	13.0	37	4	6	4.0	6.0
18	115	8	8	*12.0	*17.0	99	13	15	10.0	17.0	76	19	12	*10.0	*10.0	76	11	8	*8.0	*12.0	58	11	8	*6.5	*10.5	63	7	4	7.0	11.0	52	4	3	5.5	8.5	36	4	8	3.0	5.0
19	115	8	8	12.0	18.5	95	18	4	*3.0	*7.5	79	14	10	10.0	12.5	76	12	6	7.0	9.5	64	4	8	*2.5	*7.0	63	6	4	4.0	7.5	53	4	6	3.0	6.0	33	6	6	2.0	4.0
20	113	10	4	11.0	12.5	97	9	7	8.0	11.0	79	11	8	*7.0	*8.5	79	9	5	*5.0	*9.0	66	2	8	4.5	10.0	65	5	8	1.0	4.0	53	4	6	7.0	10.5	35	4	8	2.0	3.0
21	113	10	7	10.0	13.5	99	13	8	*8.0	*11.0	79	10	6	8.0	10.0	78	10	5	*7.5	*9.0	66	4	8	*3.0	*6.5	65	4	8	3.0	5.5	53	5	6	5.5	9.0	35	4	8	3.0	4.0
22	113	10	6	*8.5	*12.0	97	10	8	*9.0	*13.5	81	5	8	6.5	8.5	79	10	5	*8.0	*12.0	64	5	8	*10.0	*14.0	65	9	10	7.5	11.5	53	6	7	7.0	11.0	35	3	6	3.0	5.0
23	113	9	9	13.0	16.0	99	6	12	*8.0	*12.5	81	6	9	8.0	10.0	80	6	7	*8.0	*11.0	62	8	8	*4.5	*8.0	*65			1.5	4.0	51	6	7	8.5	11.0	35	4	4	3.0	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month December 19 60

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	159	2	2	8.0	12.5*	136	4	2	10.0	15.0	116	4	4	10.5	18.0	91	5	5	*10.0	*21.0	63	4	5	8.5	15.0	57	3	3	6.0	9.0	49	4	4	4.5	7.0	25	4	4	3.0	4.5
01	159	2	4	9.0	13.5	136	4	4	10.0	16.0	116	5	7	11.5	20.0	89	7	8	*11.0	*20.0	63	4	4	7.0	14.0	58	2	5	5.0	8.0	47	9	5	4.5	7.0	23	4	2	3.0	4.0
02	159	1	5	8.0	12.5	136	4	3	10.0	15.5	116	4	4	*12.5	*20.5	89	4	6	*13.0	*21.0	63	4	5	9.0	16.0	58	2	4	5.5	9.0	45	7	5	5.5	9.0	23	2	2	3.0	4.0
03	157	4	2	9.0	11.5	136	3	5	10.5	16.5	114	5	5	*13.0	*22.0	87	6	6	*11.0	*19.0	63	3	5	9.0	16.5	58	4	4	6.0	9.0	43	4	5	5.5	8.5	23	4	2	2.5	3.5
04	157	4	2	9.0	15.0	136	3	4	*10.0	*19.0	112	8	3	*13.0	*22.0	85	8	6	*13.0	*21.0	61	5	5	10.0	17.0	56	4	2	6.0	10.0	43	4	6	4.5	7.5	23	3	0	2.0	3.0
05	157	2	0	9.0	15.0	134	3	2	*11.0	*18.0	108	5	5	*14.0	*22.5	75	10	4	*9.0	*12.5	59	4	7	10.5	17.0	56	4	3	4.5	7.5	43	3	7	5.5	8.5	23	3	0	2.0	3.0
06	157	2	3	10.0	16.0	130	4	4	14.0	20.0	98	12	10	*16.5	*23.5	69	8	3	*4.0	*10.0	49	6	5	9.5	15.0	50	6	2	5.5	9.0	43	3	3	5.0	7.0	25	2	2	3.0	5.0
07	153	4	2	*11.0	*17.5	124	7	6	*16.5	*24.0	96	7	14	*17.0	*24.0	69	8	3	*5.0	*10.0	41	7	4	7.0	10.0	40	7	3	10.5	17.0	39	2	4	6.5	9.5	25	2	2	3.5	5.0
08	155	2	4	12.5	19.5	124	4	10	*17.5	*24.0	96	11	12	*16.0	*27.0	71	5	6	*5.0	*9.0	37	5	4	4.0	6.0	32	10	6	*10.0	*15.0	33	5	7	*8.5	*12.0	25	2	2	*3.0	*4.0
09	153	4	2	*12.0	*19.0	120	9	4	*16.5	*22.5	96	7	13	*17.0	*29.0	69	4	6	*6.5	*12.5	35	4	6	*6.0	*10.0	28	7	6	*8.0	*11.0	29	6	8	*9.0	*13.0	23	2	2	3.0	4.0
10	153	4	2	*13.0	*19.5	122	6	4	*16.0	*24.5	92	10	10			67	4	6	*4.0	*8.5	35	6	4	7.0	11.0	26	8	2	*6.5	*11.0	27	4	8	*9.5	*12.0	23	3	2	3.0	4.0
11	153	4	2	*12.0	*17.0	126	3	8	*16.0	*26.0	95	11	6			68	12	8	*12.0	*18.0	33	5	7	*4.0	*6.5	24	5	2	*7.5	*11.5	27	4	3	9.0	13.0	23	4	2	2.5	4.0
12	155	2	4	*11.0	*17.0	126	6	4	*12.5	*21.0	98	12	6	*19.5	*29.0	73	12	13	*12.5	*18.0	33	8	8	*4.0	*6.0	26	9	3	*11.5	*13.0	27	5	4	7.0	11.0	23	5	2	3.0	5.0
13	156	5	3	*12.0	*19.0	130	10	5	*14.0	*22.0	104	19	6	*19.0	*29.5	79	19	11	*14.0	*23.0	33	9	6	*6.5	*9.5	30	5	5	8.5	13.5	33	8	6	*9.0	*14.0	29	6	5	3.5	6.0
14	157	4	2	11.0	18.5	132	10	4	*13.0	*21.5	108	13	7	*16.0	*25.5	83	16	12	*12.0	*21.5	37	18	8	*5.5	*9.5	34	13	4	*9.0	*13.0	35	7	4	*8.5	*13.0	29	5	3	*4.0	*6.0
15	159	2	3	11.0	18.5	134	6	4	*13.0	*22.0	110	11	6	*15.0	*24.0	82	17	7	*12.0	*21.0	39	14	7	*9.5	*12.5	42	4	7	*10.0	*17.0	41	2	5	*6.0	*10.0	27	6	2	3.5	5.0
16	159	3	4	*11.5	*19.5	136	5	6	*14.0	*24.0	109	12	5	13.0	22.0	83	11	10	*10.5	*19.0	49	7	9	*7.5	*12.0	48	4	6	9.0	15.5	43	4	3	4.5	6.5	27	9	1	4.0	6.0
17	157	6	4	11.0	18.0	136	8	5	13.0	22.5	112	9	10	*11.0	*20.0	87	10	10	8.0	17.0	55	8	6	6.5	11.0	54	4	6	6.0	10.0	46	2	2	3.5	6.0	27	4	2	4.0	6.0
18	157	4	4	10.0	16.5	138	2	6	12.0	21.0	115	6	6	11.0	20.0	93	8	10	*8.0	*18.0	63	5	6	6.0	10.5	60	0	4	3.0	5.5	47	3	4	3.5	6.0	27	4	2	3.5	5.5
19	157	6	4	*12.0	*17.0	138	4	7	11.5	21.0	116	6	5	10.0	20.0	93	6	10	8.0	18.0	65	3	6	6.0	10.0	60	4	3	3.5	6.0	45	4	2	4.0	7.0	25	5	0	3.5	5.5
20	157	4	2	8.0	13.0	136	6	4	*13.0	*22.5	116	6	4	12.0	22.0	91	8	5	8.0	16.0	63	5	4	6.5	10.0	60	3	2	*4.0	*5.0	45	6	2	4.0	6.0	27	6	2	3.0	5.0
21	157	4	2	7.5	12.0	136	6	4	11.5	*20.0	116	7	6	11.0	21.5	91	8	4	9.0	17.0	63	4	4	7.0	12.0	60	2	2	3.5	6.0	47	3	2	4.0	6.0	29	2	4	2.5	4.5
22	157	4	2	8.0	13.0	136	5	4	11.5	19.0	116	4	3	12.0	21.5	93	5	7	*9.5	*20.0	63	5	6	7.5	12.5	56	4	2	5.0	8.0	47	2	2	3.5	6.0	27	3	2	2.5	4.5
23	159	2	3	7.5	12.0	136	4	4	9.5	15.0	116	4	4	10.5	19.5	91	6	3	10.0	20.0	63	4	5	7.5	13.5	56	4	2	5.0	8.5	47	5	2	3.5	6.0	27	4	5	3.0	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month January 19 61

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	159	4	2	7.5	12.0	134	6	2	10.0	16.0	114	7	4	10.5	20.0	90	7	4	*7.5	*14.5
01	159	4	2	7.5	12.5	136	6	6	8.5	14.5	114	7	4	11.0	19.5	92	2	6	10.0	18.0
02	159	3	2	8.0	14.0	136	4	4	9.5	16.0	114	5	4	*9.5	*16.0	90	6	8	9.0	17.5
03	159	4	2	9.5	15.0	136	3	4	10.0	16.5	114	4	5	12.0	22.0	90	4	8	10.5	19.0
04	159	2	4	9.5	15.0	136	2	4	10.0	16.5	112	7	3	*11.0	*19.0	86	6	6	*11.0	*18.5
05	159	2	4	11.0	16.0	132	5	2	10.0	17.0	106	10	6	*14.0	*21.5	76	9	6	*8.0	*13.0
06	159	2	2	10.5	17.0	130	4	3	12.0	18.5	96	12	4	12.0	20.0	68	9	5	*11.5	*20.0
07	155	4	2	11.5	19.0	123	5	4	*11.0	*17.0	92	10	4	12.0	20.0	66	3	2	*4.0	*8.0
08	153	5	1	12.5	19.5	*119			*12.5	*19.0	94	8	5	*14.0	*22.0	66	7	7	*9.0	*15.5
09	155	3	3	*14.0	*20.0	122	8	4	*14.0	*22.5	95	11	5	*13.0	*22.0	62	8	4	*4.0	*8.5
10	155	2	2	14.0	20.5	*122			*14.5	*23.0	92	9	7	*12.0	*19.0	63	8	6	*6.0	*12.0
11	155	2	4	14.5	20.5	*123			*16.0	*23.0	92	10	8	*13.0	*19.0	65	4	7	*7.5	*12.0
12	155	4	4	12.5	19.0	125	5	5	*15.0	*23.5	94	14	6	*12.0	*20.0	64	11	6	*11.0	*17.0
13	155	5	2	12.0	19.5	128	4	6	11.5	19.5	96	10	6	10.0	18.0	70	8	12	*13.0	*20.0
14	157	4	3	11.5	18.0	130	7	6	13.0	21.0	101	13	7	12.0	20.5	72	20	12	*12.0	*20.0
15	159	7	4	11.0	17.0	132	9	5	13.0	20.5	104	14	7	*12.0	*20.5	74	33	9	*10.5	*16.0
16	159	5	4	11.0	18.5	132	8	8	14.0	21.0	104	11	10	*12.5	*21.0	75	21	9	*11.5	*21.5
17	157	8	2	11.0	18.0	134	5	8	*13.5	*23.0	105	9	10	10.5	20.0	81	13	10	6.5	10.5
18	155	7	2	11.0	17.0	132	8	4	12.5	22.0	110	10	4	10.5	19.0	87	7	7	10.0	16.0
19	157	6	2	10.0	15.5	134	8	4	11.5	21.0	112	8	4	10.0	20.0	88	8	6	9.5	16.0
20	157	4	2	8.5	13.0	134	6	4	12.0	21.0	114	5	5	10.0	20.0	92	4	6	9.5	17.5
21	157	5	0	8.5	13.5	134	6	3	11.0	20.0	114	5	5	11.0	20.0	92	4	6	10.0	18.5
22	159	4	2	8.0	13.0	134	6	4	10.0	18.0	114	6	4	10.5	20.0	92	8	4	10.0	18.0
23	159	5	2	8.0	13.0	136	6	4	10.5	16.5	114	5	2	11.0	20.5	90	7	4	9.0	17.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	63	4	6	9.0	15.0	59	3	4	*6.0	*9.5	47	6	7	*4.5	*7.0	22	4	2	2.5	4.0
01	63	6	6	*8.0	*15.0	59	2	5	6.5	11.0	43	8	8	5.0	8.0	22	2	1	2.0	3.0
02	63	4	4	9.0	15.0	57	4	4	5.5	10.0	41	5	9	4.5	7.0	22	2	0	1.5	2.5
03	63	4	4	8.5	15.0	59	2	5	6.0	10.0	39	7	7	5.0	7.5	22	2	0	*1.5	*3.0
04	63	5	6	8.5	15.5	57	4	4	7.5	11.0	41	4	10	5.5	8.0	22	3	0	*2.5	*3.5
05	60	6	5	*9.5	*16.5	59	5	7	6.0	9.5	39	6	8	4.5	7.0	24	3	2	2.0	3.5
06	53	12	6	*9.0	*14.5	53	5	5	6.0	10.0	41	3	2	5.0	8.0	24	2	2	2.5	4.0
07	41	19	5	*6.0	*12.0	41	8	4	*8.0	*12.5	37	5	2	5.5	9.0	24	6	2	2.5	4.0
08	35	24	2	*4.0	*7.0	35	6	4	*9.5	*14.0	33	4	2	*8.0	*11.0	23	4	3	*2.0	*4.0
09	35	19	8	*7.5	*12.0	35	4	9	*12.0	*16.5	29	7	4	*7.5	*11.5	22	2	2	*3.5	*5.0
10	35	16	10	*11.0	*15.5	27	8	4	*10.0	*13.0	25	6	2	*8.0	*10.0	22	2	2	3.0	4.5
11	33	16	6	*7.0	*12.5	25	4	2	*6.5	*9.0	25	6	2	*6.5	*9.0	22	4	2	*3.5	*5.0
12	33	14	6	*6.0	*9.5	27	2	6	*7.0	*10.5	28	3	5	8.0	11.5	22	2	0	*4.0	*6.0
13	32	17	6	*6.5	*10.0	21	4	2	*8.0	*10.0	29	6	4	7.5	13.0	24	4	2	*3.0	*4.0
14	33	16	4	*9.0	*13.0	31	13	4	*9.0	*12.5	35	6	4	7.5	12.0	26	6	2	2.5	5.0
15	35	26	6	*6.5	*11.0	37	11	8	*9.0	*15.0	39	6	4	6.0	9.5	26	8	2	4.0	6.0
16	39	14	6	*10.0	*15.0	43	8	6	9.0	16.0	43	2	3	5.0	8.0	26	5	2	4.5	6.5
17	51	5	8	7.0	12.5	51	4	4	7.0	12.0	45	2	2	3.5	5.5	26	2	3	3.5	5.0
18	57	4	3	7.5	12.0	59	1	4	*5.0	*9.0	45	2	2	4.0	6.0	24	3	2	*2.5	*3.5
19	61	4	4	8.0	13.0	61	2	2	*3.5	*6.0	45	3	2	5.0	7.5	24	2	2	3.0	4.5
20	61	5	4	7.5	13.0	61	3	3	*3.5	*5.5	45	3	2	5.0	7.5	24	4	1	2.0	4.0
21	63	4	5	8.0	13.5	61	4	4	3.0	5.0	47	2	4	4.5	7.5	26	2	2	3.0	5.0
22	63	4	4	7.5	13.5	59	3	4	6.0	10.0	47	3	3	5.0	7.0	26	2	4	3.0	5.0
23	63	6	4	9.0	16.0	59	3	4	*6.5	*11.0	47	5	4	5.0	9.0	24	4	2	3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month February 19 61

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	162	3	4	10.0	14.5	140	5	8	10.0	16.0	116	7	7	11.5	17.5	94	3	6	9.5	19.5	64	4	8	6.5	10.0	59	15	6	5.0	8.0	49	8	6	5.5	8.0	22	2	0	2.0	3.0
01	162	2	5	11.0	15.5	140	6	6	10.0	16.0	117	6	6	12.0	19.0	*91			*9.0	*14.5	64	6	6	8.0	13.0	59	12	4	4.5	9.0	49	4	8	*5.5	*8.0	22	6	0	1.0	1.5
02	162	4	4	11.0	15.0	141	5	6	*11.0	*16.5	117	6	4	12.0	20.0	93	6	5	*9.5	*14.0	64	8	6	7.0	12.0	59	10	6	5.0	8.5	45	6	7	*5.0	*7.5	22	2	0	*1.5	*2.0
03	162	4	8	11.5	16.0	*141			*11.0	*17.0	117	6	9	12.0	20.0	*93			*8.0	*14.0	64	7	6	7.5	12.5	59	11	4	*5.5	*9.0	43	4	6	5.0	7.5	22	2	0	*2.0	*2.5
04	161	5	5	11.5	17.0	*140			*10.0	*16.0	117	4	10	12.0	21.0	91	6	6	*10.0	*18.0	64	6	6	8.0	14.0	59	13	4	*5.0	*8.5	41	4	8	4.5	7.0	24	0	2	2.0	2.5
05	160	5	5	11.0	17.5	140	4	4	12.0	18.5	115	7	8	12.0	21.0	*85			*7.5	*11.5	64	6	10	7.0	13.5	57	10	6	*5.5	*9.0	40	5	7	4.5	7.0	24	0	2	1.5	2.5
06	160	4	4	12.0	17.0	134	6	11	*12.0	*17.5	103	8	14	*13.0	*22.0	*73			*10.0	*17.0	58	6	7	8.5	12.5	55	4	8	5.0	8.0	41	8	4	5.0	6.5	24	2	2	2.0	2.5
07	158	4	6	12.0	18.0	*135			*14.0	*20.0	101	6	21	*15.0	*23.0	*73			*16.5	*22.0	48	12	4	9.0	14.0	44	11	7	8.0	12.0	39	6	4	6.5	9.0	24	0	2	*3.0	*3.5
08	155	8	4	13.5	20.0	*126			*15.0	*19.5	93	14	8	*15.0	*22.5	*71			*17.5	*23.5	46	3	14	13.0	15.0	37	10	11	*9.0	*14.0	33	8	4	*6.0	*9.0	24	0	2	*2.0	*3.0
09	*156			14.5	20.5	*134					*97			*16.0	*23.0	*71			*16.0	*23.5	43	8	16	*13.0	*17.5	33	5	8	*9.0	*13.0	32	5	6	*8.5	*10.5	22	1	0	*2.5	*2.5
10	*154			*14.5	*21.0	*122			*17.5	*25.0	*91			*13.0	*19.0	*69			*18.5	*23.5	*44			*14.0	*18.0	*27			*6.5	*11.0	*27			*11.0	*14.0	*22			*2.0	*3.0
11	154	8	2	*14.0	*20.0	*130			*15.0	*22.0	*93			*15.0	*21.0	*73			*13.5	*20.0	44	6	20	*14.0	*16.5	*25			*7.5	*9.5	27	8	6	*8.5	*12.0	22	2	2	*2.5	*5.0
12	156	6	4	13.0	20.0	*123			*12.5	*20.5	94	11	7	*13.5	*21.5	73	7	12	*13.0	*20.0	45	6	20	*13.5	*17.0	25	9	4	*7.5	*9.0	30	3	8	7.0	10.0	22	5	1	*3.0	*4.0
13	158	4	4	12.5	18.5	*132			*13.5	*20.0	103	10	12	*14.0	*22.0	*75			*15.0	*23.5	48	2	24	*10.0	*14.0	25	8	4	*5.0	*8.0	31	6	8	8.5	12.0	24	2	2	*3.0	*4.5
14	159	3	6	12.0	17.5	132	8	7	*12.0	*19.5	105	14	5	*12.0	20.0	81	13	11	11.0	20.0	44	11	15	*10.0	*13.5	29	18	3	*9.5	*13.5	35	4	7	8.5	10.5	26	4	2	*4.0	*5.5
15	160	4	4	11.5	17.5	136	6	4	12.0	19.5	107	8	4	10.5	18.5	*81			*10.0	*17.5	48	7	16	*12.0	*15.0	35	10	2	*9.5	*13.0	39	2	6	6.5	9.5	26	2	2	*3.0	*4.0
16	160	2	5	11.5	17.5	136	5	10	*11.5	*19.0	105	11	7	*10.0	*16.5	83	11	9	*8.0	*16.0	48	7	13	12.5	16.0	43	4	7	8.0	13.5	43	3	5	*5.5	*7.5	27	3	3	*4.0	*5.5
17	160	4	4	12.0	17.5	138	2	6	*11.5	*19.0	109	3	6	10.5	17.5	87	8	10	*7.5	*14.5	50	6	6	8.0	12.5	47	6	4	5.5	9.5	45	2	2	4.0	6.0	26	4	2	3.0	5.0
18	160	0	7	12.0	18.0	136	5	10	11.0	17.5	115	2	6	10.5	17.5	93	4	10	7.5	13.0	56	4	5	6.5	11.0	57	4	3	*4.5	*7.0	47	2	2	4.0	6.5	26	2	4	*4.0	*4.5
19	160	2	5	*10.5	*15.0	*140			*11.0	*18.5	117	3	6	10.0	18.0	90	5	7	*10.0	*19.0	61	5	5	5.5	8.5	61	4	2	*2.5	*4.0	45	4	2	4.5	7.0	24	4	0	*3.0	*4.5
20	160	2	5	10.0	14.0	140	2	7	*12.0	*19.0	117	4	6	10.5	18.5	91	6	6	*8.0	*15.5	62	4	4	5.5	8.5	61	2	4	*2.5	4.0	47	5	2	*5.0	*7.0	26	2	3	*3.5	*4.5
21	160	4	4	9.5	13.0	140	2	4	12.0	18.0	117	4	9	11.0	20.0	*91			*8.0	*15.5	62	4	4	6.5	10.0	61	2	6	*3.0	*4.5	48	5	3	*4.0	*6.0	28	2	2	3.0	4.0
22	160	2	4	9.0	13.0	138	6	7	*10.0	*16.5	115	7	9	11.0	19.5	91	9	8	8.0	17.5	64	4	8	6.0	10.5	58	5	5	5.0	8.5	47	5	2	*4.0	*6.0	26	3	1	*3.0	*4.5
23	160	4	3	9.5	14.5	138	6	4	11.0	16.0	115	6	9	10.5	16.5	*91			9.5	17.5	64	4	8	6.0	10.0	59	4	6	6.0	9.0	47	6	2	5.0	8.5	24	4	2	*2.0	*3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Winter (Dec. Jan. Feb.) 19 60-61

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.031	156	4	4	12.0	18.0	157	3	3	11.5	17.5	154	4	3	11.0	16.0	159	4	3	10.5	15.5	157	4	3	12.0	17.5	155	6	4	13.0	19.0
.051	120	6	6	11.5	17.0	127	6	5	12.0	18.0	117	10	10	13.0	19.5	125	6	6	11.0	16.5	126	8	6	12.0	18.5	129	6	6	10.5	17.0
.160	110	8	7	10.5	16.5	103	10	13	12.5	20.5	88	15	16	12.5	20.0	96	9	10	11.0	18.0	104	8	8	10.0	17.0	109	6	7	9.5	16.5
.495	92	6	6	8.0	14.0	79	13	10	9.0	13.0	67	13	5	6.0	9.5	71	12	5	7.5	12.5	84	9	6	8.5	13.5	91	5	5	7.0	13.0
2.5	60	6	6	7.0	12.0	60	7	9	8.0	13.5	34	9	4	3.0	5.0	32	7	4	2.5	4.5	45	8	6	5.0	8.5	58	6	6	6.5	11.0
5	53	4	3	5.5	9.0	51	5	4	5.5	9.5	29	7	6	6.0	9.0	28	8	5	4.5	7.0	51	5	5	4.5	8.0	57	4	4	4.5	8.0
10	38	5	4	3.5	6.0	36	6	4	3.5	6.0	27	7	4	5.0	8.0	29	6	5	5.5	8.5	42	4	4	5.0	8.5	40	4	4	4.5	7.0
20	23	3	1	2.0	3.0	24	4	1	2.0	3.5	25	4	2	3.0	4.5	26	3	3	3.5	5.0	26	4	3	3.0	4.5	23	4	2	2.5	3.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Winter (Dec. Jan. Feb.) 19 60-61

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150	2	4	11.5	17.0	148	3	4	11.5	17.0	145	3	4	11.0	16.0	144	5	4	11.0	16.5	145	4	5	13.0	19.0	147	3	4	12.5	19.0
.051	118	7	7	9.5	16.0	115	6	6	10.5	17.5	102	6	7	9.5	14.5	104	10	8	10.0	16.0	111	8	8	10.5	17.0	115	7	6	10.0	16.5
.160	92	12	8	10.0	16.0	80	12	7	8.5	13.0	72	12	5	4.5	7.0	76	10	6	4.5	7.0	84	14	8	9.0	14.0	90	12	9	9.5	16.0
.495	75	10	8	7.5	12.5	64	8	4	5.0	7.5	61	4	3	3.0	5.0	61	5	3	3.0	5.0	67	10	5	5.5	9.0	75	9	6	7.0	12.0
2.5	53	7	4	4.0	6.0	50	6	4	4.5	6.5	43	3	2	3.0	4.5	44	3	2	2.5	4.0	48	6	4	3.5	5.0	53	5	4	4.0	6.0
5	53	4	6	4.5	7.5	50	5	4	4.5	7.5	36	3	4	3.0	4.5	36	3	4	3.0	5.0	49	4	6	3.5	6.0	52	4	5	5.0	8.0
10	34	7	3	3.0	4.5	36	5	3	4.0	6.0	32	3	5	3.5	5.0	33	4	4	3.5	6.0	41	4	4	5.0	7.0	34	8	4	3.0	4.5
20	24	1	2	2.0	4.0	26	2	1	2.0	4.0	28	2	2	3.0	4.5	29	3	3	2.5	4.0	26	2	2	3.0	4.5	24	2	1	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Summer (Dec. Jan. Feb.) 1960-61

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	101	5	4			100	5	3			100	4	4			99	4	4			100	4	4			102	4	4		
.113	79	5	4			78	5	4			78	5	3			78	5	3			79	4	4			78	5	3		
.246	66	3	3			66	5	2			65	4	4			66	4	3			66	4	4			66	4	3		
.545	50	5	3			54	4	5			54	5	4			55	6	3			54	5	4			54	5	3		
2.5	22	2	2			23	2	2			22	2	2			22	2	2			23	2	2			22	2	2		
5	19	8	5			16	7	4			15	4	2			15	5	2			18	6	4			23	6	7		
10	19	5	5			16	6	6			16	3	4			16	4	3			20	4	3			22	6	6		
20	17	1	1			17	1	2			17	1	1			18	1	1			18	1	1			18	1	1		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Summer (Dec. Jan. Feb.) 19 60-61

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	158	4	3	8.5	14.0	156	4	2	10.5	17.0	155	4	5	12.5	19.5	158	5	5	10.0	17.0	160	5	4	8.0	14.5	159	5	4	9.5	17.0
.051	133	5	4	9.5	16.5	126	7	5	11.0	18.5	121	8	8	12.5	20.5	129	8	6	8.0	14.5	130	10	6	6.5	12.5	135	6	5	8.5	15.5
.160	111	7	6	9.0	16.5	95	13	10	12.5	21.0	89	12	13	12.0	20.5	100	14	13	7.0	13.0	105	12	10	6.0	10.0	113	7	6	6.5	14.0
.545	85	7	6	8.0	17.0	61	15	10	11.0	18.5	53	16	9	7.5	12.0	61	21	12	5.0	8.5	71	18	12	6.0	11.0	91	8	7	6.0	12.0
2.5	63	7	6	6.5	13.5	50	10	8	7.0	13.5	24	13	5	4.0	7.0	30	23	10	3.5	6.0	46	13	11	5.0	9.0	66	7	7	5.5	11.5
5	56	5	4	4.5	9.0	46	6	6	6.0	10.0	28	12	7	4.5	7.5	32	11	10	3.0	6.0	48	8	8	3.5	7.5	59	5	4	4.5	8.0
10	45	4	5	4.0	7.0	39	5	5	3.5	6.5	31	6	6	3.0	5.5	34	6	8	3.5	6.5	41	4	5	3.0	6.0	47	4	5	3.5	6.5
20	24	3	2	2.5	4.0	24	2	2	2.5	4.0	24	3	3	2.0	4.0	26	5	3	2.5	4.5	27	6	4	3.0	5.0	25	4	3	3.5	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Winter (Dec. Jan. Feb.) 19 60-61

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150	3	3	10.0	16.0	150	3	3	11.0	18.0	145	3	4	11.5	18.5	145	3	3	8.5	14.0	150	3	2	7.5	12.5	150	3	2	8.0	13.5
.051	115	5	4	8.0	12.5	113	5	6	9.5	15.0	100	7	8	10.5	14.0	98	8	7	6.0	12.5	109	7	6	7.0	11.0	114	5	4	6.5	10.5
.160	101	6	8	6.5	10.0	101	6	10	4.0	8.0	87	10	8	4.5	8.0	89	8	10	6.0	10.0	94	5	7	4.5	8.0	98	7	7	5.0	9.5
.495	70	20	9	3.0	6.0	64	11	8	2.5	5.0	56	10	4	2.0	4.5	58	10	7	1.5	3.5	67	13	8	2.5	4.5	70	20	8	3.0	5.5
2.5	49	7	6	5.5	8.5	47	6	6	5.5	8.5	32	8	5	4.5	6.5	34	5	5	3.5	5.5	43	6	5	5.0	7.5	49	7	6	5.5	8.5
5	48	8	5	4.5	7.5	47	6	5	5.5	8.5	30	7	5	4.0	6.0	29	7	6	4.5	7.0	48	10	6	4.5	7.0	49	9	5	4.5	7.0
10	32	6	2	2.0	4.0	35	6	4	4.0	6.0	37	11	6	7.5	10.5	44	10	9	5.5	8.5	43	16	8	4.5	6.5	33	7	3	2.5	4.0
20	18	1	1	1.0	2.5	19	1	1	2.0	3.0	21	3	3	2.5	4.0	21	3	3	2.5	4.0	18	2	1	1.5	3.0	17	1	1	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Winter (*** Jan. Feb.) 19 60-61

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	100	8	7			95	10	6			87	6	4			88	6	3			92	9	5			97	9	6		
.500	78	9	7			66	12	7			54	4	3			56	4	3			59	8	5			75	9	8		
2.5	58	10	4			56	10	5			34	6	4			32	5	2			47	8	6			57	10	4		
5	56	6	4			54	6	8			32	5	4			30	5	3			49	7	5			58	5	5		
10	37	3	2			40	4	2			38	4	4			40	4	4			47	4	2			39	3	3		
20	23	1	1			23	1	1			25	2	2			25	2	2			25	2	2			22	0	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

***No December Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Summer (June July Aug.) 19 59

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	138	6	6	8.0	14.5	131	8	9	10.0	17.5	126	9	11	11.0	18.5	134	7	7	9.0	14.0	139	7	6	6.5	12.0	140	6	4	6.5	12.5
.113	126	6	8	7.5	14.0	115	10	13	10.0	18.0	106	13	11	11.5	18.0	117	10	10	9.0	14.0	124	8	8	7.0	13.0	118	5	6	6.0	11.5
.246	111	8	9	7.0	14.5	95	12	14	10.0	18.5	85	14	13	9.0	17.0	96	16	12	10.0	17.5	107	11	11	7.0	13.0	112	6	8	5.0	10.5
.545	93	9	9	7.0	14.5	73	14	13	11.5	21.0	65	13	9	9.5	14.0	77	19	14	11.5	20.0	84	10	11	6.5	12.0	96	6	8	5.0	11.0
2.5	66	6	10	5.0	9.5	52	10	12	8.0	12.5	36	12	8	9.0	12.5	41	17	9	10.0	17.0	62	9	12	5.0	8.5	70	4	10	4.0	7.0
5	57	5	8	4.5	8.0	52	6	10	6.5	11.0	32	10	11	10.5	15.5	37	13	8	10.5	15.0	58	5	7	4.5	7.5	62	4	9	3.5	7.0
10	41	5	8	3.5	7.0	39	5	8	5.5	9.0	29	7	10	8.0	12.5	37	5	7	6.5	10.5	47	4	5	3.5	6.5	43	6	7	3.5	6.0
** 20	31	5	2	3.0	6.0	31	5	4	2.0	4.0	29	6	5	6.0	6.5	32	6	3	7.0	10.5	33	5	3	2.5	5.0	31	4	3	2.0	3.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

Quarterly summary in Technical Note No. 18-3 based on June and July power only.

**No data for July and August for voltage and log.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha (Kauai), T. H. Lat. 22.0 N Long. 159.7 W Season Winter (Dec. Jan. Feb.) 19 60-61

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	3	3	10.0	16.5	154	3	3	10.5	16.5	150	4	3	11.5	18.5	148	5	4	14.0	22.0	147	5	4	14.0	21.0	151	4	3	10.0	16.5
.051	130	5	5	11.5	19.0	129	4	5	12.0	19.5	114	10	9	14.5	22.5	110	12	9	16.0	25.0	109	15	8	14.5	23.0	122	8	8	13.5	21.0
.160	104	9	8	11.5	18.0	100	10	8	12.0	21.5	78	23	14	14.0	24.5	74	23	13	14.0	22.0	81	20	12	17.5	23.5	99	11	10	12.5	23.0
.495	83	12	8	11.0	21.5	75	15	9	11.5	20.5	53	19	5	7.0	12.0	51	19	5	7.5	10.5	62	18	9	11.0	19.0	81	11	11	12.0	22.5
2.5	58	8	5	6.0	10.5	58	8	7	7.0	11.0	36	7	4	3.0	5.5	31	6	3	2.5	4.5	41	10	6	4.5	7.0	56	9	6	7.0	11.5
5	54	5	5	5.0	9.0	49	5	4	5.0	8.5	28	8	5	4.0	6.0	22	7	5	4.0	5.0	37	10	6	4.5	7.5	50	5	6	5.0	8.0
10	35	5	3	3.0	5.5	33	4	3	3.0	5.0	26	8	6	4.5	6.5	20	10	6	6.0	7.5	35	5	5	3.5	6.0	37	5	4	3.0	5.5
20	24	2	1	1.5	3.0	25	1	0	1.0	2.5	24	2	2	3.0	5.0	23	2	2	3.0	5.0	25	3	2	2.0	4.0	24	3	1	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Season Fall (Sept. Oct. Nov.) 19 60

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	152	4	2	7.0	10.0	150	4	2	7.5	11.0	146	3	2	8.5	12.5	150	4	3	8.5	12.5	152	3	3	7.0	10.5	153	2	2	6.0	9.5
.051	128	5	4	8.0	12.5	122	7	4	9.0	13.5	115	8	6	13.5	18.5	120	8	8	11.0	17.0	123	8	5	9.5	14.0	127	4	4	8.0	11.0
.160	106	6	10	7.5	12.0	96	9	13	9.5	11.0	87	9	10	8.0	12.5	96	8	10	8.5	12.0	102	8	9	8.5	13.0	106	4	7	7.0	11.0
.545	83	7	6	6.5	10.0	72	10	6	3.5	5.5	66	11	4	3.0	5.0	73	11	9	8.0	7.0	81	9	9	6.0	9.0	85	7	6	6.0	10.0
2.5	57	7	6	5.5	8.0	50	7	7	5.0	7.5	41	6	6	3.0	4.0	42	11	5	5.0	7.5	52	8	6	5.5	7.5	57	6	6	5.0	8.0
5	52	6	5	6.0	8.0	45	7	7	5.5	8.0	28	8	4	3.5	5.5	32	12	5	4.0	6.0	49	7	7	4.0	7.0	52	6	5	5.0	8.0
10	34	6	4	4.5	7.0	32	6	6	4.5	7.0	26	12	6	5.0	8.0	29	7	5	4.5	7.0	41	7	6	5.0	6.0	40	7	6	4.0	6.5
20	23	2	2	2.0	3.0	24	4	2	2.5	3.5	24	6	3	3.5	5.0	27	5	3	4.0	5.5	29	5	2	3.0	4.5	26	3	2	3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Winter (Dec. Jan. Feb.) 19 60-61

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150	4	4	9.5	14.5	150	4	4	10.0	15.5	147	4	4	12.5	17.5	148	4	3	12.5	18.0	150	4	3	10.5	16.0	151	4	4	10.0	15.0
.051	127	5	4	12.5	20.0	121	6	5	12.5	19.0	108	9	4	14.0	19.5	110	7	5	14.0	19.5	116	9	4	13.5	19.0	126	6	3	12.0	19.5
.160	104	7	6	12.0	19.5	92	10	7	14.5	18.5	80	13	11	13.0	18.5	78	13	8	10.5	15.0	91	14	7	12.5	17.0	102	9	7	12.0	19.5
.545	80	9	5	10.5	18.0	75	8	6	11.0	16.5	68	7	4	6.5	10.5	70	6	4	5.5	10.0	82	9	7	8.5	13.5	90	7	7	9.0	13.5
2.5	51	9	6	6.5	10.5	38	9	6	7.5	12.0	34	6	2	5.5	8.5	34	8	4	5.5	8.5	45	10	5	7.0	10.0	52	10	6	6.5	10.5
5	51	6	5	5.5	9.0	56	8	7	7.0	11.5	32	8	4	6.0	9.0	33	9	4	5.5	8.0	55	8	6	13.5	12.0	61	10	7	6.5	11.0
10	38	10	6	3.5	6.5	35	8	4	3.0	5.5	33	8	5	6.5	10.0	34	7	5	4.5	7.0	46	7	6	4.5	7.0	42	9	7	3.5	6.5
20	24	1	1	1.0	3.0	25	2	1	1.5	3.0	31	11	7	3.0	5.5	28	11	4	3.0	5.0	26	10	2	2.0	4.0	24	4	2	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Spring (Sept. Oct. Nov.) 1960

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	128	9	7			120	13	7			115	13	12			126	15	10			132	14	11			132	9	8		
.113	113	12	10			100	19	14			90	28	14			104	23	16			113	19	20			116	12	18		
.246	100	10	9			79	21	7			69	29	7			87	27	20			97	23	21			103	13	11		
.545	90	10	9			65	20	6			54	23	2			69	26	16			83	22	17			93	10	9		
2.5	63	4	6			50	10	8			36	7	2			43	25	8			58	20	16			67	8	7		
5	52	4	4			43	8	7			24	20	6			29	21	8			50	13	15			56	8	10		
10	38	4	5			35	6	6			24	10	7			31	13	9			50	9	9			41	5	6		
20	22	4	4			23	2	3			21	10	5			24	9	4			29	8	6			26	7	6		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S Africa Lat. 25.8 S Long. 28.3 E Season Summer (Dec. Jan. Feb.) 19 60-61

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	134	9	8			125	11	9			119	14	8			135	9	9			139	10	11			136	8	8		
.113	117	10	10			103	16	12			94	24	11			118	12	16			123	12	15			120	9	11		
.246	103	11	10			79	22	7			74	28	8			102	16	25			108	14	21			106	11	10		
.545	92	11	10			65	20	5			59	24	4			82	20	25			92	16	23			95	9	9		
2.5	61	6	8			49	9	7			34	9	4			44	27	12			55	15	12			64	5	8		
5	51	6	6			41	8	7			23	10	4			30	17	8			48	7	10			52	6	5		
10	37	6	5			33	5	6			25	6	5			33	6	6			42	4	4			40	4	4		
20	18	5	1			18	4	1			20	4	2			22	5	2			25	6	4			21	5	3		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Winter (Dec. Jan. Feb.) 19 60-61

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	152	3	4			153	3	4			149	4	3			150	3	5			150	4	4			153	3	4		
.051	123	4	9			121	4	10			110	7	7			111	7	5			115	8	6			122	6	7		
.160	112	6	16			104	8	21			94	6	10			94	8	7			101	8	8			108	8	9		
.495	83	6	9			72	8	9			62	7	5			61	7	6			73	8	6			82	6	6		
2.5	55	7	7			53	8	7			36	10	5			33	9	3			46	8	7			56	8	7		
5	54	5	8			53	6	8			35	6	6			31	6	7			48	7	8			54	7	6		
10	38	5	6			37	7	6			36	9	6			32	10	6			43	16	6			41	6	5		
20	24	1	1			26	3	2			28	5	3			29	5	3			27	4	3			24	2	1		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Winter (Dec. Jan. Feb.) 19 60-61

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	160	3	4	9.0	13.5	158	3	3	10.5	16.5	154	4	3	13.5	19.5	157	4	4	11.5	18.5	158	4	4	11.0	17.5	158	4	3	8.5	13.0
.051	137	5	5	10.0	16.0	134	4	4	12.0	18.5	124	6	6	15.5	23.0	130	7	5	13.0	21.0	136	5	7	12.0	21.0	136	5	4	11.0	18.5
.160	115	6	5	11.5	19.5	105	8	8	13.5	21.5	94	10	8	14.5	22.5	102	12	7	14.0	22.5	111	8	7	11.0	19.5	115	5	6	11.0	20.0
.545	91	5	7	10.0	18.0	76	7	5	8.0	15.0	68	6	6	10.0	15.4	76	16	10	12.0	20.0	87	9	9	8.5	16.5	91	6	5	9.0	17.5
2.5	63	5	5	8.0	14.0	55	8	6	8.5	14.5	38	10	9	8.5	12.5	38	12	10	8.0	11.5	55	6	6	7.5	12.0	63	4	5	7.0	12.0
5	58	6	4	5.5	9.0	52	7	5	6.5	10.5	29	7	5	8.5	12.5	30	9	4	8.5	12.5	54	4	4	5.5	9.5	59	3	4	4.5	7.0
10	45	6	6	5.0	7.5	41	4	5	5.0	8.0	29	6	5	8.5	11.5	33	5	5	7.5	11.5	45	3	3	4.0	6.5	47	4	2	4.5	7.0
20	22	3	1	2.0	3.0	24	2	2	2.5	3.5	23	2	2	2.5	4.0	26	5	2	3.5	5.0	26	4	2	3.5	5.0	26	3	2	3.0	4.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

U. S. DEPARTMENT OF COMMERCE
Luther H. Hodges, *Secretary*

NATIONAL BUREAU OF STANDARDS
A. V. Astin, *Director*

THE NATIONAL BUREAU OF STANDARDS

The scope of activities of the National Bureau of Standards at its major laboratories in Washington, D.C., and Boulder, Colorado, is suggested in the following listing of the divisions and sections engaged in technical work. In general, each section carries out specialized research, development, and engineering in the field indicated by its title. A brief description of the activities, and of the resultant publications, appears on the inside of the front cover.

WASHINGTON, D.C.

Electricity. Resistance and Reactance. Electrochemistry. Electrical Instruments. Magnetic Measurements. Dielectrics.

Metrology. Photometry and Colorimetry. Refractometry. Photographic Research. Length. Engineering Metrology. Mass and Scale. Volumetry and Densimetry.

Heat. Temperature Physics. Heat Measurements. Cryogenic Physics. Equation of State. Statistical Physics.

Radiation Physics. X-ray. Radioactivity. Radiation Theory. High Energy Radiation. Radiological Equipment. Nucleonic Instrumentation. Neutron Physics.

Analytical and Inorganic Chemistry. Pure Substances. Spectrochemistry. Solution Chemistry. Analytical Chemistry. Inorganic Chemistry.

Mechanics. Sound. Pressure and Vacuum. Fluid Mechanics. Engineering Mechanics. Rheology. Combustion Controls.

Organic and Fibrous Materials. Rubber. Textiles. Paper. Leather. Testing and Specifications. Polymer Structure. Plastics. Dental Research.

Metallurgy. Thermal Metallurgy. Chemical Metallurgy. Mechanical Metallurgy. Corrosion. Metal Physics.

Mineral Products. Engineering Ceramics. Glass. Refractories. Enameled Metals. Crystal Growth. Physical Properties. Constitution and Microstructure.

Building Research. Structural Engineering. Fire Research. Mechanical Systems. Organic Building Materials. Codes and Safety Standards. Heat Transfer. Inorganic Building Materials.

Applied Mathematics. Numerical Analysis. Computation. Statistical Engineering. Mathematical Physics.

Data Processing Systems. Components and Techniques. Digital Circuitry. Digital Systems. Analog Systems. Applications Engineering.

Atomic Physics. Spectroscopy. Radiometry. Solid State Physics. Electron Physics. Atomic Physics.

Instrumentation. Engineering Electronics. Electron Devices. Electronic Instrumentation. Mechanical Instruments. Basic Instrumentation.

Physical Chemistry. Thermochemistry. Surface Chemistry. Organic Chemistry. Molecular Spectroscopy. Molecular Kinetics. Mass Spectrometry. Molecular Structure and Radiation Chemistry.

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BOULDER, COLO.

Cryogenic Engineering. Cryogenic Equipment. Cryogenic Processes. Properties of Materials. Gas Liquefaction.

Ionosphere Research and Propagation. Low Frequency and Very Low Frequency Research. Ionosphere Research. Prediction Services. Sun-Earth Relationships. Field Engineering. Radio Warning Services.

Radio Propagation Engineering. Data Reduction Instrumentation. Radio Noise. Tropospheric Measurements. Tropospheric Analysis. Propagation-Terrain Effects. Radio-Meteorology. Lower Atmosphere Physics.

Radio Standards. High Frequency Electrical Standards. Radio Broadcast Service. Radio and Microwave Materials. Atomic Frequency and Time Interval Standards. Electronic Calibration Center. Millimeter-Wave Research. Microwave Circuit Standards.

Radio Systems. High Frequency and Very High Frequency Research. Modulation Research. Antenna Research. Navigation Systems. Space Telecommunications.

Upper Atmosphere and Space Physics. Upper Atmosphere and Plasma Physics. Ionosphere and Exosphere Scatter. Airglow and Aurora. Ionospheric Radio Astronomy.


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